

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Equitable Resources Energy Company, Balcron Oil Division

3. ADDRESS OF OPERATOR

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)

At surface

SE NW Section 22, T8S, R17E

1945' FNL, 2030' FWL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10.5 miles southwest of Myton, Utah

10. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

6,400'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.)

5,156' GL

22. APPROX. DATE WORK WILL START*

10/1/95

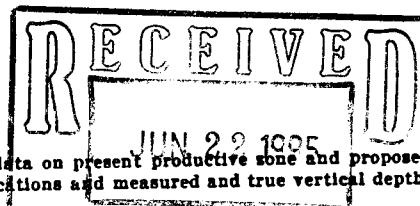
23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached	Drilling Program/Casing Design			

Operator proposes to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Bobbie Schuman
Bobbie Schuman

TITLE

Regulatory and Environmental Specialist

DATE

June 21, 1995

PERMIT NO.

43-013-31538

APPROVAL DATE

APPROVED BY

Matthews

TITLE

Petroleum Engineer

DATE

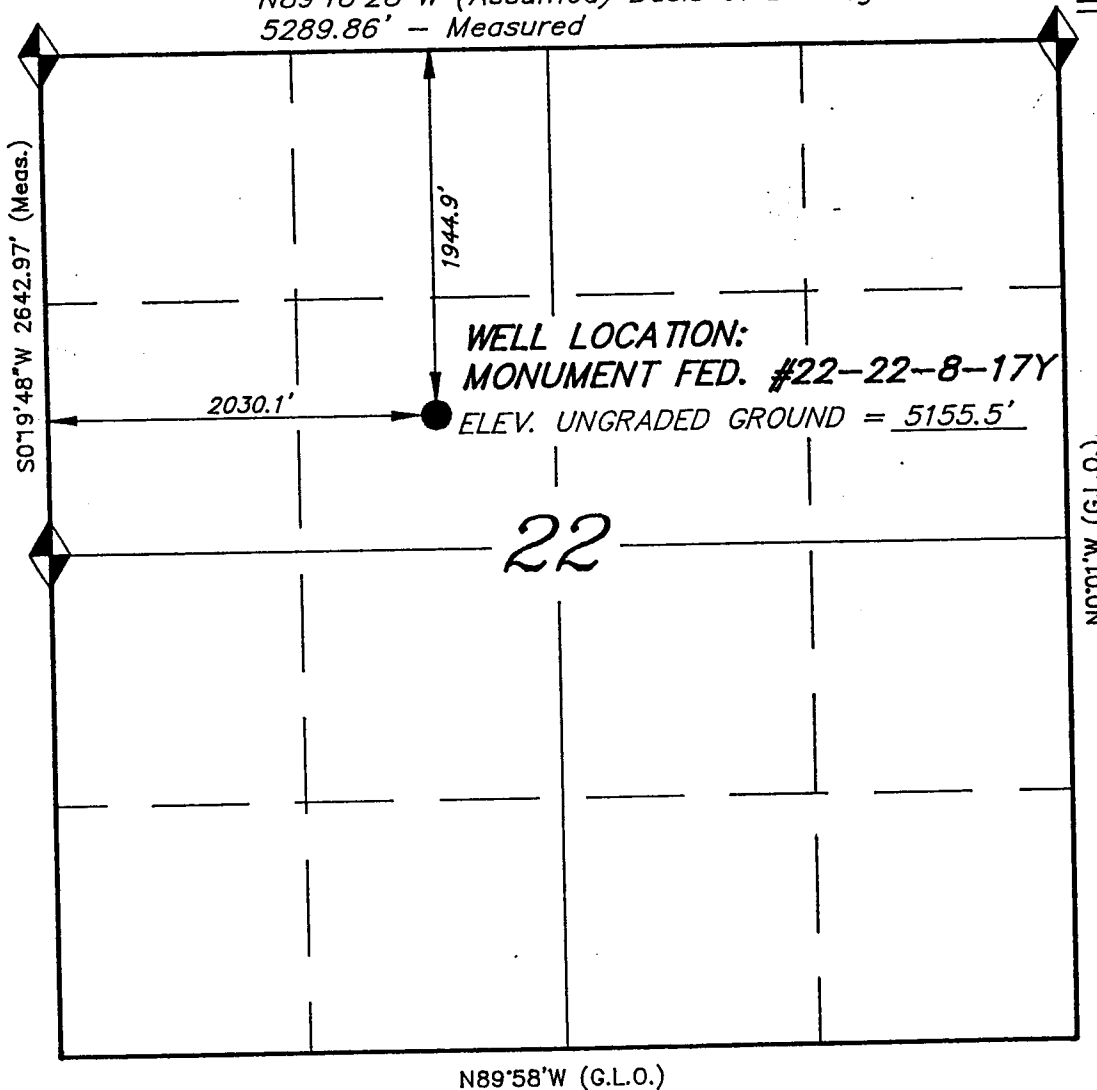
8/28/95

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

T8S, R17E, S.L.B.&M.

N89°18'28"W (Assumed) Basis of Bearings
5289.86' - Measured



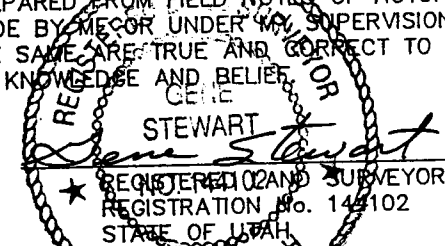
EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, MONUMENT FEDERAL
 #22-22-8-17Y, LOCATED AS SHOWN IN
 THE SE 1/4 NW 1/4 OF SECTION 22,
 T8S, R17E, S.L.B.&M. DUCHESNE COUNTY,
 UTAH.

*Bearings shown are
 assumed but relative*



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
 MADE BY ME OR UNDER MY SUPERVISION AND THAT
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF
 MY KNOWLEDGE AND BELIEF.



= SECTION CORNERS LOCATED

BASIS OF BEARINGS; G.L.O. DATED 1909

BASIS OF ELEV; U.S.G.S. 7-1/2 min QUAD (PARIETTE DRAW SW)

TRI STATE LAND SURVEYING & CONSULTING

381 EAST 100 NORTH, VERNAL, UTAH 84078
 (801) 781-2501

SCALE: 1" = 1000'

SURVEYED BY: GS DA

DATE 5-26-95

WEATHER: RAINY & COOL

NOTES:

FILE 22-22YL

EXHIBIT "K"



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

June 21, 1995

-- VIA FEDERAL EXPRESS --

**Bureau of Land Management
170 South 500 East
Vernal, UT 84078**

Gentlemen:

Enclosed are Applications for Permit to Drill the following wells:

Balcron Monument Federal #11-22-8-17Y

➤ Balcron Monument Federal #22-22-8-17Y

As Operator, we hereby request that the status of these wells be held tight for the maximum period allowed by regulations.

Please note that these proposed wellsites and access routes are on private surface. A copy of the Private Surface Owner Waiver and Surface Agreement will be provided shortly.

If you have any questions or need additional information, please give me a call at (406) 259-7860.

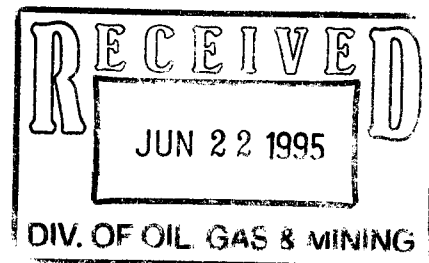
Sincerely,

**Bobbie Schuman
Regulatory and
Environmental Specialist**

/hs

Enclosures

cc: Utah Division of Oil, Gas and Mining



EXHIBITS

- A PROPOSED DRILLING PROGRAM
- B PROPOSED SURFACE USE PROGRAM
- C GEOLOGIC PROGNOSIS
- D DRILLING PROGRAM/CASING DESIGN/WELLBORE DIAGRAM
- E HAZMAT DECLARATION
- F EXISTING & PLANNED ACCESS ROADS (MAPS A & B)
- G WELLSITE LAYOUT
- H BOPE SCHEMATIC
- I EXISTING ROADS (MAP C)
- J PROPOSED PRODUCTION FACILITY DIAGRAM
- K SURVEY PLAT
- L LAYOUT/CUT & FILL DIAGRAM

6/19/95

CONFIDENTIAL

AS OPERATOR, WE HEREBY REQUEST THAT THE STATUS OF THIS WELL BE HELD TIGHT FOR THE MAXIMUM PERIOD ALLOWED BY FEDERAL AND STATE REGULATIONS.

**Equitable Resources Energy Company,
Balcron Oil Division
1601 Lewis Avenue
Billings, MT 59102
(406) 259-7860**

PROPOSED DRILLING PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #22-22-8-17Y
SE NW Section 22, T8S, R17E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.

- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Uinta formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.00, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- e. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following attachment:

Drilling Program/Casing Design (EXHIBIT "D")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon after APD approval as possible.

- b. These drilling operations should be completed within 12 days after spudding the well depending on weather and hole conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

7. OTHER

- a. Operator requests a variance to regulations requiring a straight run blooie line.
- b. Operator requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #22-22-8-17Y
SE NW Section 22, T8S, R17E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. EXISTING ROADS:

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for approximately 7.0 miles to a road intersection. Turn left and proceed 3.3 miles to a road intersection. Turn left and continue 0.1 miles to a road intersection. Turn left and continue 0.1 miles to the proposed access road sign. Follow flags 0.1 miles to location.
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "F" Maps A and B for access route.

2. PLANNED ACCESS ROADS: See EXHIBIT "F" Maps A & B

- a. All access is on private surface so no Federal Right-of-Way should be required for access.
- b. All travel will be confined to location and access routes.
- c. A culvert and a cattleguard will be provided on the existing road.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "I" Map C.

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:
 - a. See EXHIBIT "J" which is the proposed production facility diagram.
5. LOCATION AND TYPE OF WATER SUPPLY:
 - a. The drilling water source will be obtained from a private source owned by Joe Shields.
 - b. The drilling water will be hauled by truck to the location site.
6. CONSTRUCTION ROAD/LOCATION MATERIALS:
 - a. Any construction materials which are required will be native materials from the location and/or access site.
 - b. All construction materials for this location site and access road shall be borrowed material accumulated during the construction of the site and road. No additional construction material from other sources is anticipated at this time.
 - c. Reasonable precautions will be taken to protect all lands.
7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:
 - a. Garbage will be stored in a dumpster and disposed of according to local and state regulations, at an approved facility. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.
 - b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.
 - c. The reserve pit will be lined, and it will be constructed long and narrow for topographical reasons.
 - d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.

- e. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.
- g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "K".
- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
- c. The drilling rig facilities layout is shown on EXHIBIT "G". No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

Reclamation will be done in accordance with the agreement with the surface owner.

11. SURFACE OWNERSHIP:

Brad Nelson
P.O. Box 638
Roosevelt, UT 84066

12. OTHER INFORMATION:

- a. The surface owner has waived any archeological surveys.
- b. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.
- c. Downhole drilling operations will be conducted in accordance with the Bureau of Land Management conditions of approval when received. Surface operations will be conducted in accordance with the agreement reached with the surface owner.

- d. Equitable Resources Energy Company, Balcron Oil Division has reached an agreement with the surface owner, Brad Nelson, as to the requirements for the protection of surface resources and reclamation of distrubed areas and/or damages in lieu thereof.
- e. A copy of the Private Surface Owner Waiver and Surface Agreement will be provided shortly.

13. OPERATOR'S REPRESENTATIVES:

Equitable Resources Energy Company, Balcron Oil Division
1601 Lewis Avenue
Billings, Montana 59102
(8:00 a.m. to 5:00 p.m.)
(406) 259-7860
FAX: (406) 245-1361

Dave McCoskery, Operations Manager	Home: (406) 248-3864
	Mobile: (406) 698-3732
Dale Griffin, Operations Supervisor	Mobile: (801) 828-7291
	Home: (801) 781-1018

14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Equitable Resources Energy Company's Balcron Oil Division and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

June 21, 1995
Date

Bobbie Schuman
Bobbie Schuman
Regulatory and Environmental
Specialist
Equitable Resources Energy
Company, Balcron Oil Division

/rs

EXHIBIT "C"

Well Name	BALCRON MONUMENT FEDERAL #22-22-8-17Y			Exploratory		Control Well	BMF #12-22Y
Location	SENW SEC 22-T8S-R17E (1945' FNL, 2030' FWL)			Development	X	Operator	EREC-BOD
County	DUCHESNE			Field		KB	5202
State	UTAH			Section	SENW 22	Section	SWNW 22
Total Depth	6400			Township	8S	Township	8S
GL (Ung)	5156	EST. KB	5165	Range	17E	Range	17E

[illegible]

Samples	DST,s	Wellsite Geologist
50' FROM 1800' TO 4400'	DST #1 NONE	Name: _____
30' FROM 4400 TO TD	DST #2 _____	From: _____ to: _____
5' THROUGH EXPECTED PAYS	DST #3 _____	Address: _____
5' THROUGH DRILLING BREAKS	DST #4 _____	

Logs	Cores		
DLL FROM SURF CSG TO TD	Core #1	NONE	Fax #
LDT/CNL FROM 4000' TO TD	Core #2		
	Core #3		Mud Logger/Hot Wire
	Core #4		Company:

Comments: _____

Logger: _____
 Phone # _____
 Fax # _____

Report To:	1st Name: <u>DAVE BICKERSTAFF</u>	Phone #	<u>(406)259-7860</u>	wk.	<u>245-2261</u>	hm
	2nd Name: <u>KEVEN REINSCHMIDT</u>	Phone #	<u>"</u>	wk.	<u>248-7026</u>	hm
Prepared By:	<u>K.K. REINSCHMIDT</u>		<u>6/16/95</u>	Phone #	<u>wk.</u>	hm



**EQUITABLE RESOURCES
ENERGY COMPANY**
BALCRON OIL DIVISION

DRILLING PROGRAM

WELL NAME: Balcron Monument Fed.#22-22-8-17Y
PROSPECT/FIELD: Pariette Draw
LOCATION: SE NW Section 22 Twn. 8S Rge. 17E
COUNTY: Duchesne
STATE: Utah

DATE: 6-16-95

TOTAL DEPTH: 6400'

HOLE SIZE INTERVAL

12 1/4" Surface to 260'
7 7/8" 260' to 6400'

CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface Casing	0	260'	8 5/8"	24	J55
Production Casing	0	6400'	5 1/2"	15.50	K55

CEMENT PROGRAM

Surface Casing 150 sacks class "G" with 2% CaCl and 1/4 lb/sack Flocele. (Cement will be circulated to surf.)
Production Casing 250 sacks Thrifty Lite and 400 sacks 50-50 Poz. (Actual cement volumes will be calculated from caliper log with cement top at 2000')

PRELIMINARY

DRILLING FLUID PROGRAM

TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Air and Air Mist	0	260'	N.A.	N.A.	N.A.
Air/Airmist/KCl wtr	260'	6400'	8.7-8.9	N.A.	N.A.

COMMENTS

1.) No Cores or DSTs are planned for this well.

BALCRON OIL CO.

Operator: BALCRON OIL	Well Name: #22-22-8-17Y
Project ID:	Location: Duchesne/utah

Design Parameters:

Mud weight (9.00 ppg) : 0.468 psi/ft
 Shut in surface pressure : 2352 psi
 Internal gradient (burst) : 0.100 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using air weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Body Yield : 1.50 (B)
 Overpull : 0 lbs.

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	6,400	5-1/2"	15.50	K-55	ST&C	6,400	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2992	4040	1.350	2992	4810	1.61	99.20	222	2.24 J

Prepared by : McCoskery, Billings, MT
 Date : 06-16-1995
 Remarks :

Minimum segment length for the 6,400 foot well is 1,500 feet.
 The mud gradient and bottom hole pressures (for burst) are 0.468 psi/ft and
 2,992 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guide-
 line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with
 evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body
 Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and
 Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1990 pricing model. (Version 1.0G)

EXHIBIT E

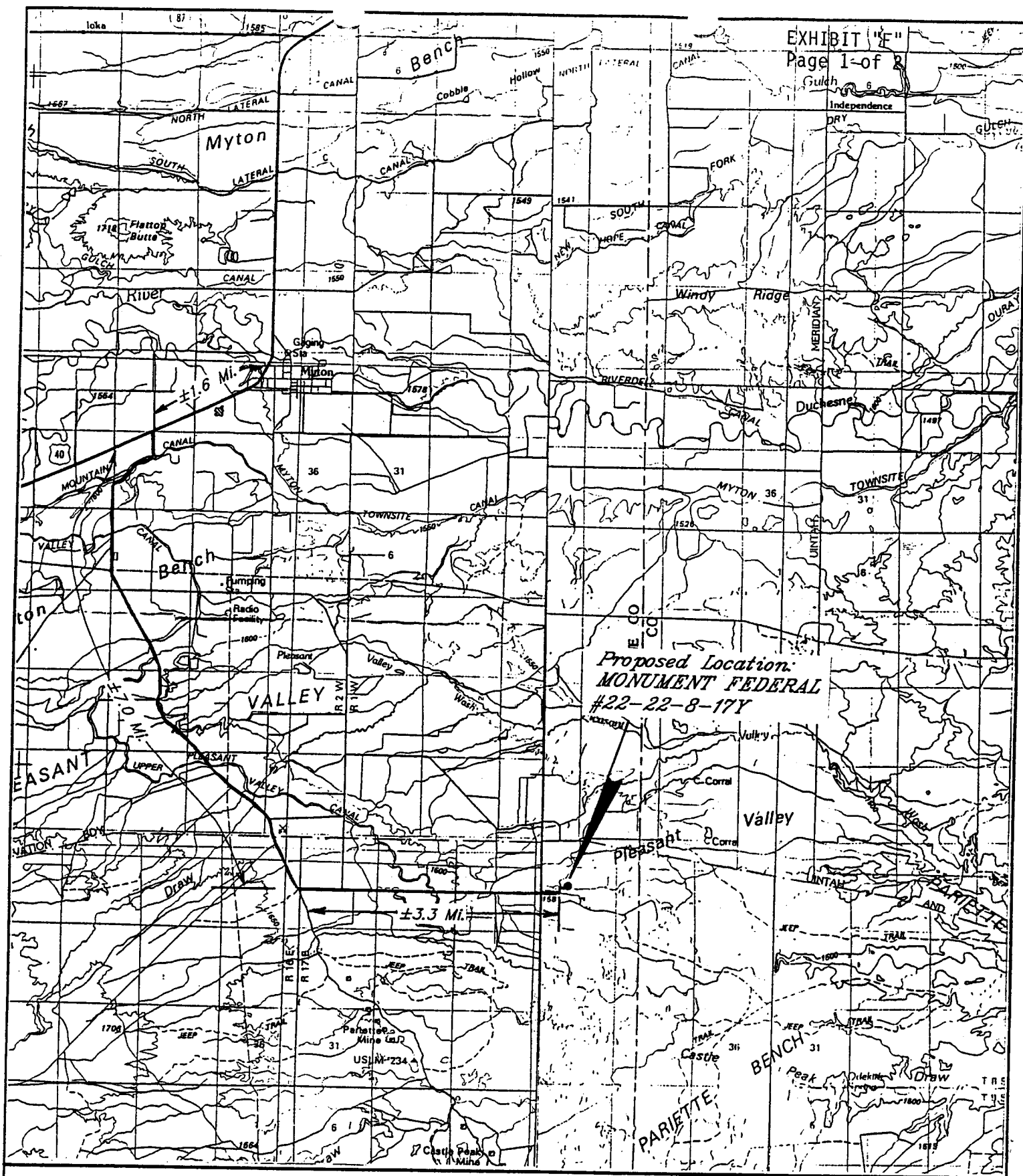
- A. Hazardous chemicals 10,000 pounds of which will most likely be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

We anticipate that none of the hazardous chemicals in quantities of 10,000 pounds or more will be associated with these operations.

- B. Extremely hazardous substances threshold quantities (per Howard Cleavinger 11/30/93) of which will be used, produced, stored, transported, or disposed of in association with the proposed action of drilling, completing and producing this well:

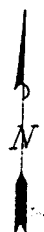
We anticipate that none of the extremely hazardous substances in threshold quantities per 40 CFR 355 will be associated with these operations.

12/1/93
Revised 12/7/93
/rs



EQUITABLE RESOURCES CO.

MONUMENT FEDERAL #22-22-8-17Y
SEC. 22, T8S, R17E, S.L.B.&M.
TOPO "A"



Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078

21

Proposed Location:
MONUMENT FEDERAL
#22-22-8-17Y

PROPOSED ACCESS
ROAD ± 0.1 Mi.

EQUITABLE RESOURCES CO.

MONUMENT FEDERAL #22-22-8-17Y
SEC. 22, T8S, R17E, S.L.B.&M.
TOPO "B"

N

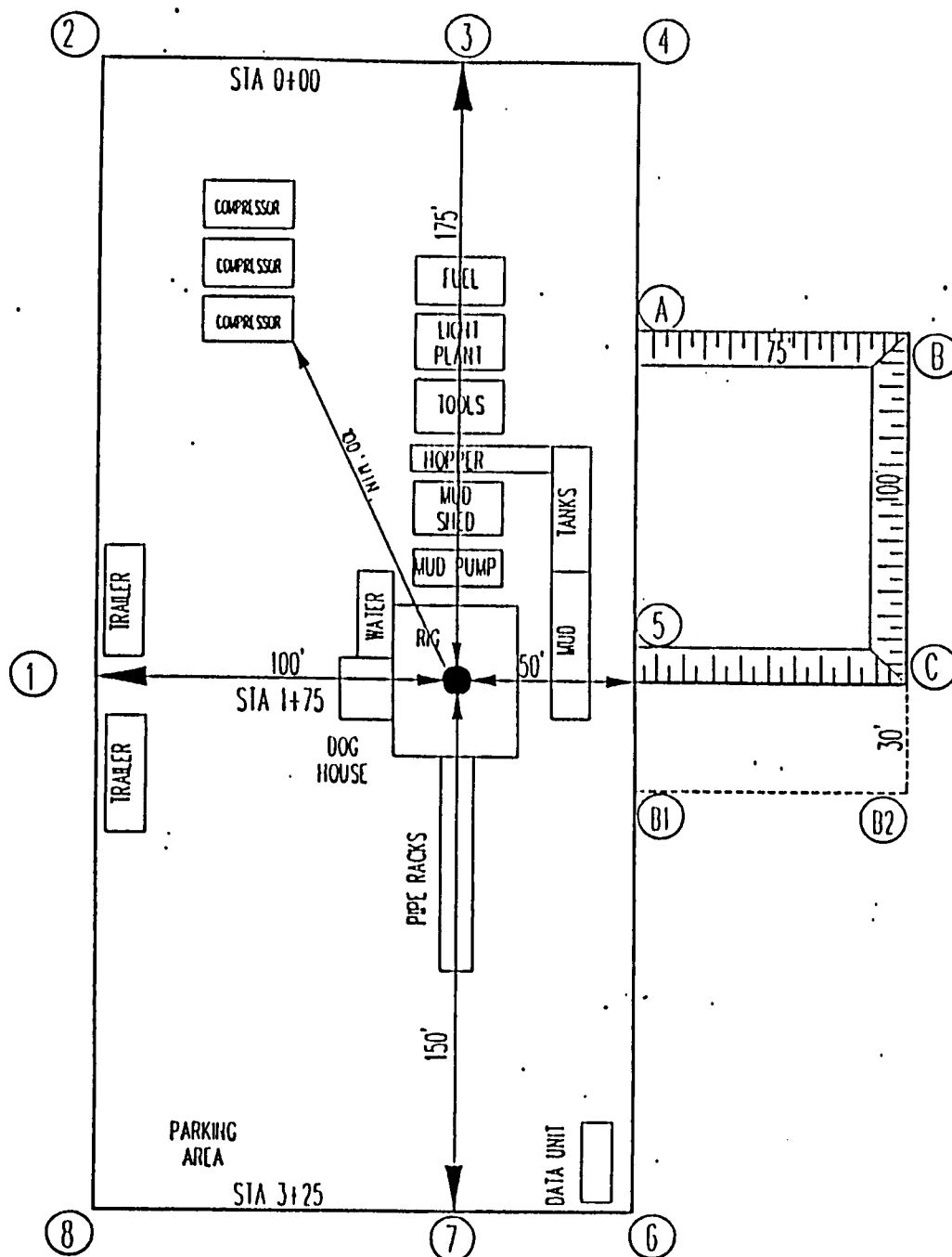
SCALE: 1" = 2000'

Tri State
Land Surveying, Inc.

(801) 781-2501

38 WEST 100 NORTH VERNAL, UTAH 84075

EQUITABLE RESOURCES ENERGY CO. WELLSITE LAYOUT

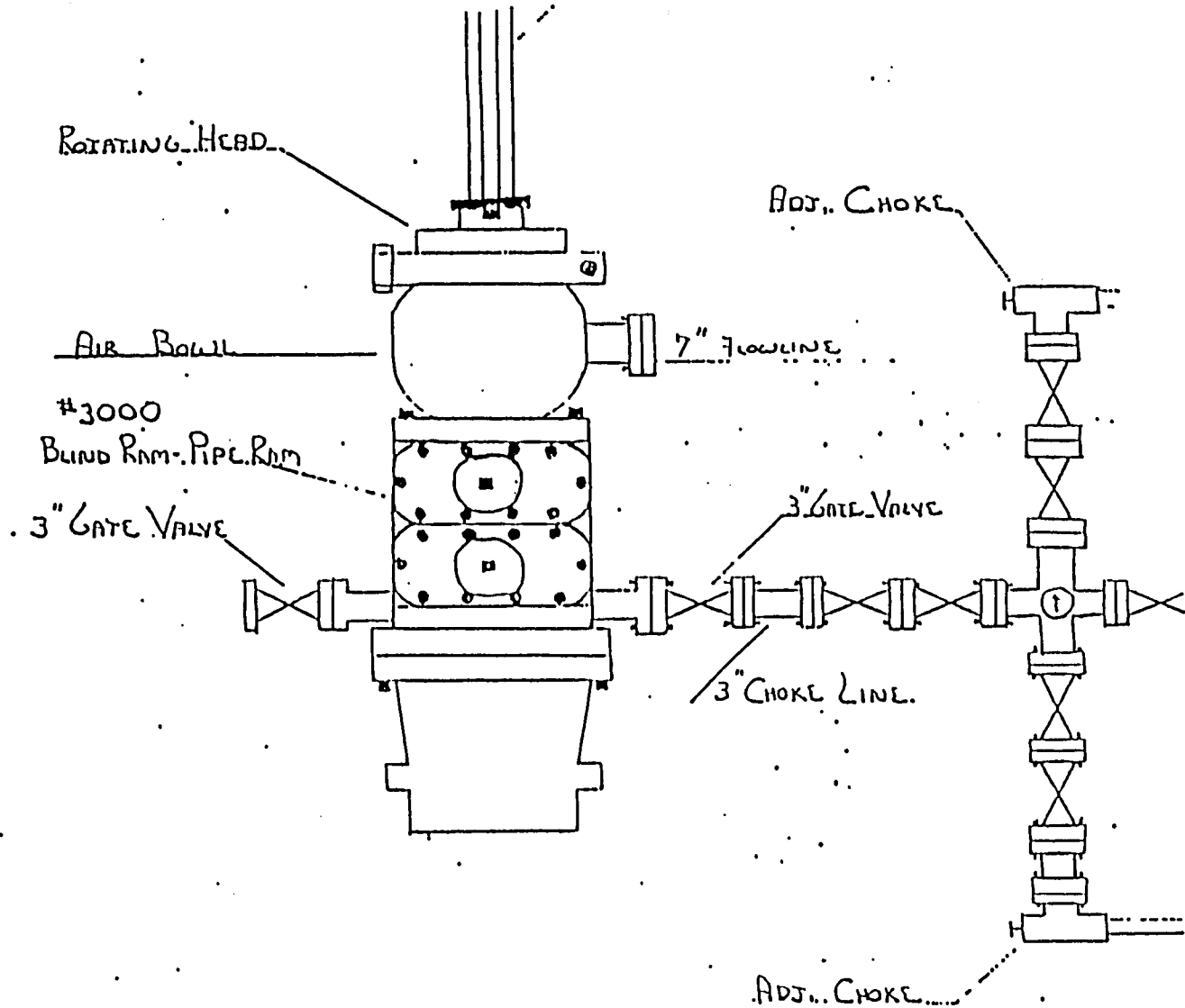


TRI-STATE
LAND SURVEYING, INC.
38 WEST 100 NORTH, VERMILION, UTAH 84078
801-781-2501

EXHIBIT "H"

UNION DRILLING RIG #17

Hex Kelly



#3000 STACK

Equitable Resources Energy Company
Balcron Federal 22-22-8-17Y
Proposed Production Facility Diagram

EXHIBIT "J"

Balcron Federal 22-22-8-17Y
SE NW Sec. 22, T8S, R17E
Duchesne County, Utah
Federal Lease #U-67845
1945' FNL, 2030' FWL

Access Road

DIKE

VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

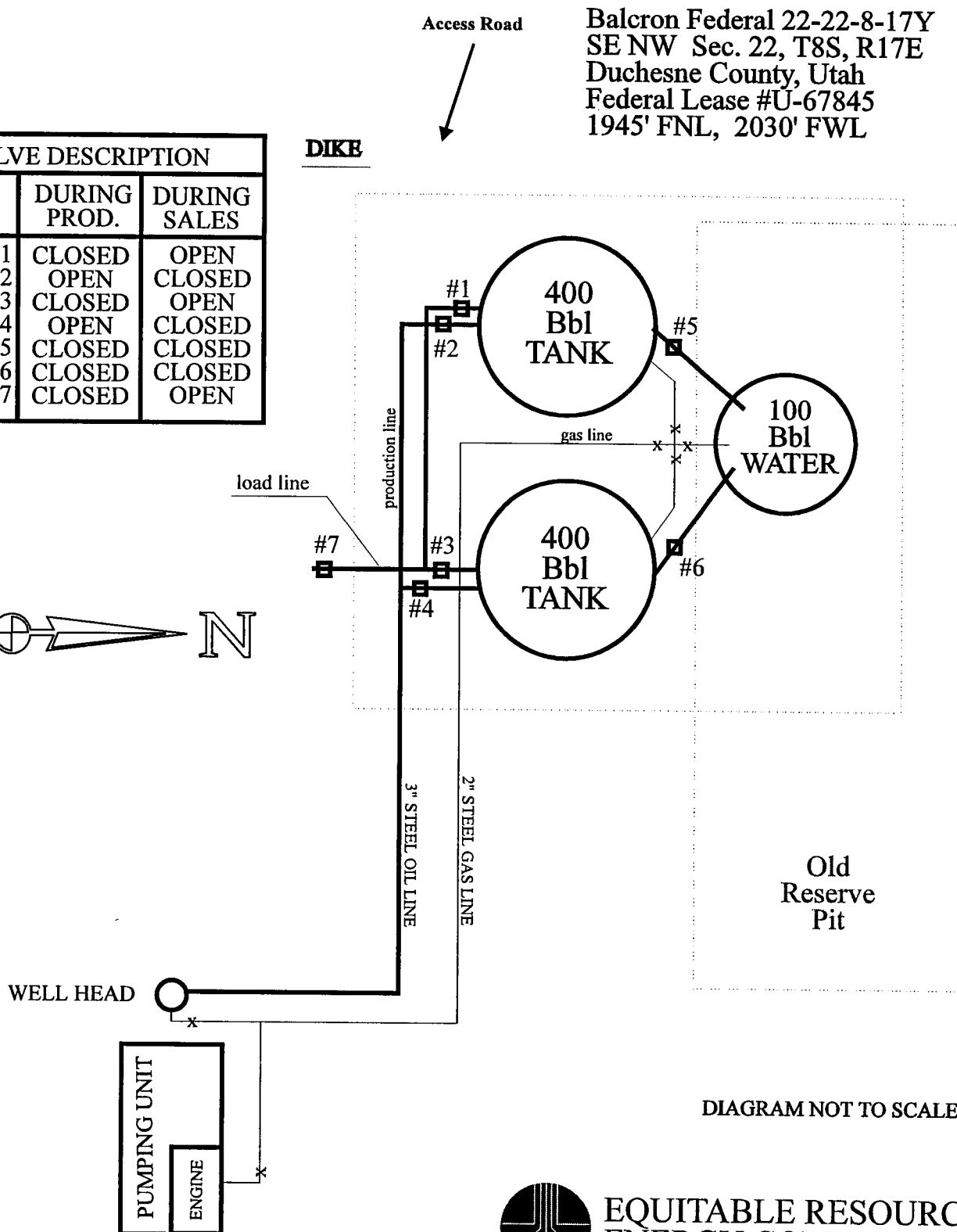


DIAGRAM NOT TO SCALE



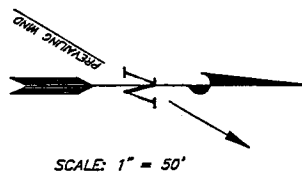
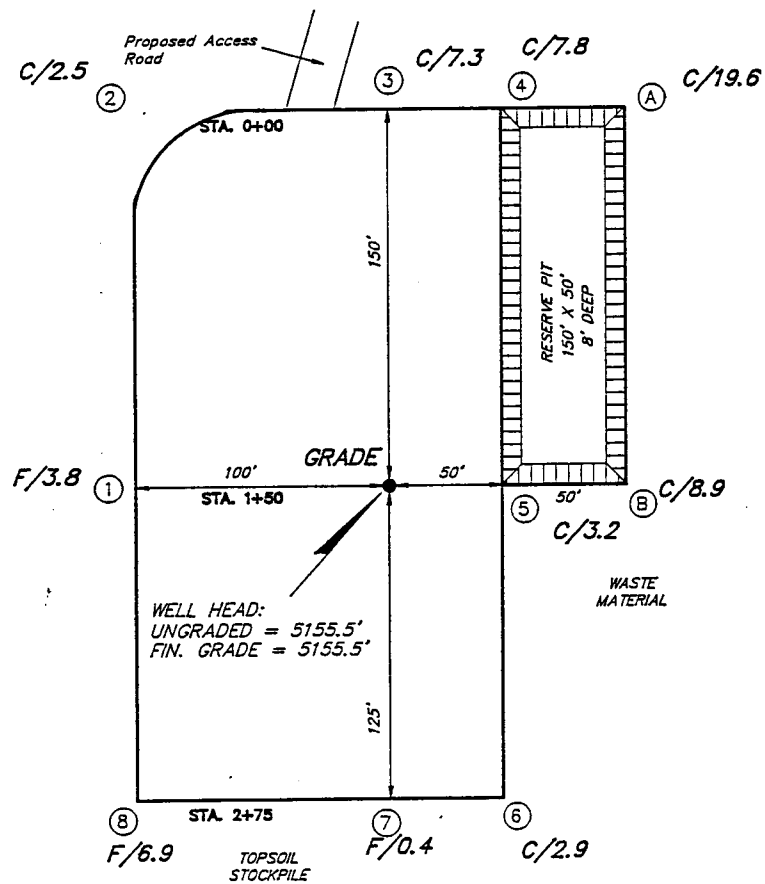
EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59104
(406) 259-7860

EQUITABLE RESOURCES ENERGY CO.

MONUMENT FEDERAL #22-22-8-17Y
SECTION 22, T8S, R17E, S.L.B.&M.

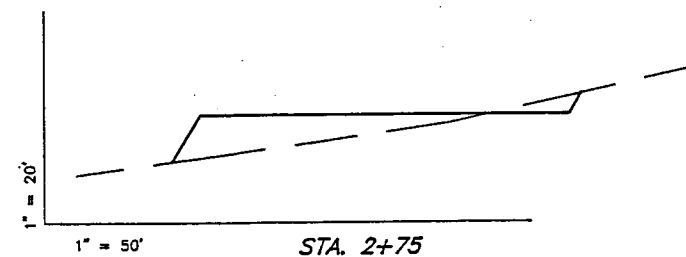
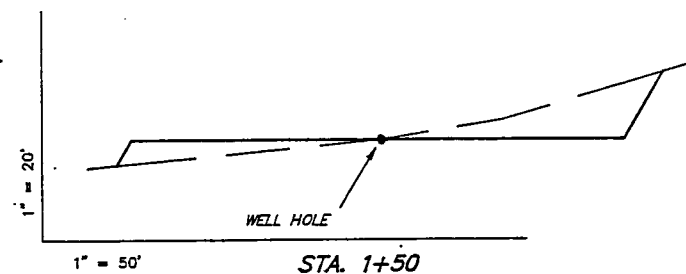
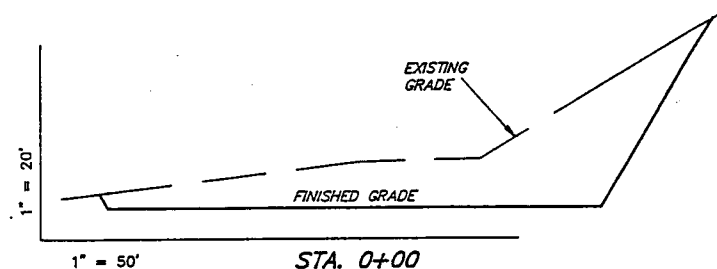


REFERENCE POINTS

175' EAST 5155.0'
225' EAST 5154.0'

APPROXIMATE YARDAGES

CUT = 7162 Cu. Yds.
FILL = 2213 Cu. Yds.
PIT = 2,710 Cu. Yds.
6" TOPSOIL = 910 Cu. Yds.



SURVEYED BY: S.S. C.B.
DRAWN BY: S.S.
DATE: 5-27-95
SCALE: 1" = 50'
FILE: 22-22YC

Tri State
Land Surveying, Inc.
(801) 781-2501
38 WEST 100 NORTH VERNAL, UTAH 84078

EXHIBIT "L"

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/22/95

API NO. ASSIGNED: 43-013-31538

WELL NAME: BALCRON MON FED 22-22-8-17Y
OPERATOR: EQUITABLE RESOURCES (N9890)

PROPOSED LOCATION:

SENE 22 - T08S - R17E
SURFACE: 1945-FNL-2030-FWL
BOTTOM: 1945-FNL-2030-FWL
DUCHESNE COUNTY
MONUMENT BUTTE FIELD (105)

LEASE TYPE: FED
LEASE NUMBER: U-67845

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

Y Plat
Y Bond: Federal ☒ State ☐ Fee ☐
(Number 5547188)
N Potash (Y/N)
N Oil shale (Y/N)
Y Water permit
(Number PRIVATE WELL)
N RDCC Review (Y/N)
(Date: _____)

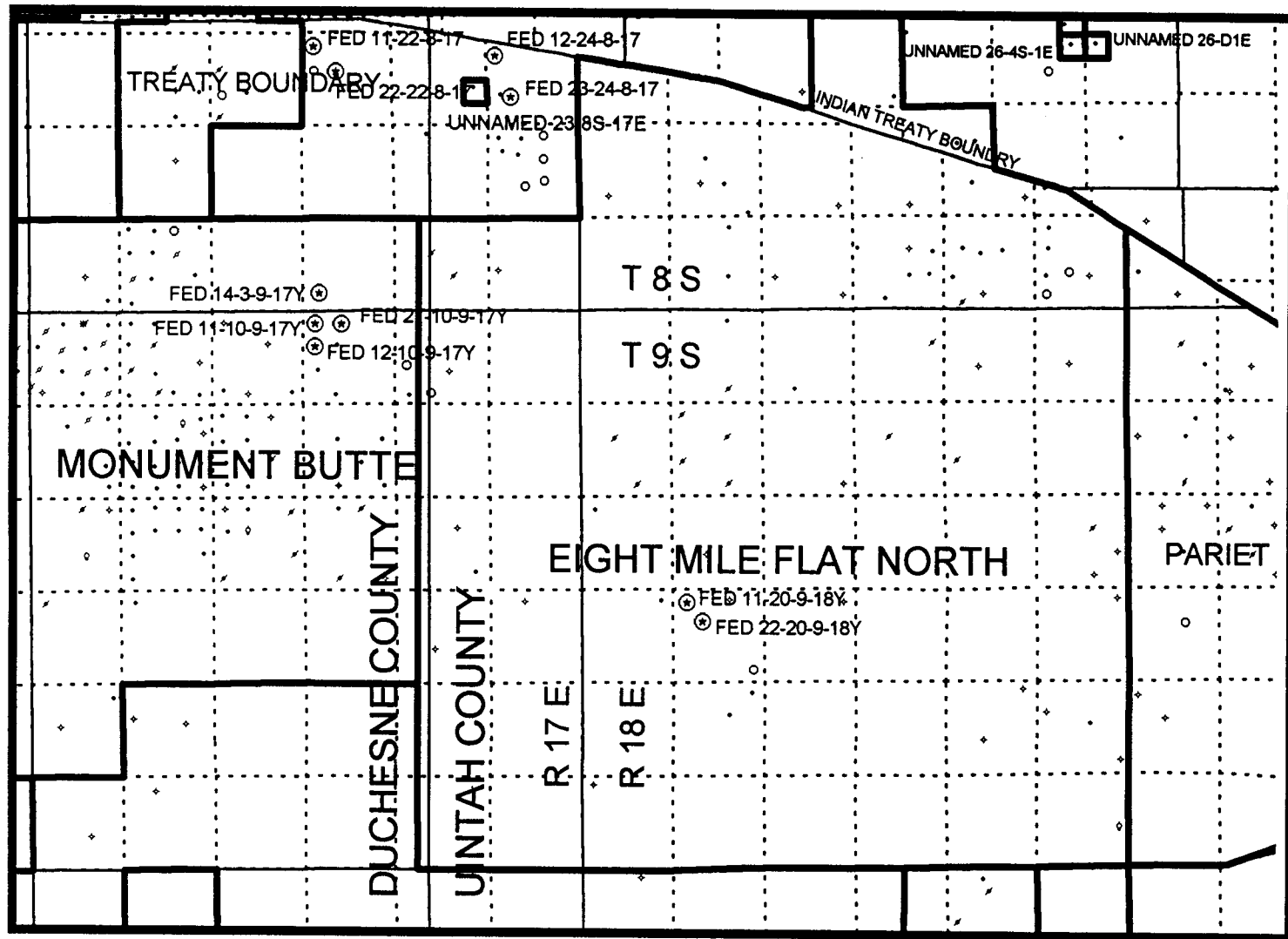
LOCATION AND SITING:

___ R649-2-3. Unit: _____
☒ R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
___ Board Cause no: _____
___ Date: _____

COMMENTS: _____

STIPULATIONS: _____

EQUITABLE RESOURCES MONUMENT BUTTE & EIGHT MILE FLAT NORTH DEVELOPMENT DRILLING UINTAH & DUCHESNE COUNTIES NO SPACING



STATE OF UTAH

Operator: EQUITABLE RESOURCES	Well Name: BALCRON MON FED 22-2
Project ID: 43-013-31538	Location: SEC. 22 - T088 - R17E

Design Parameters:

Mud weight (8.90 ppg) : 0.462 psi/ft
 Shut in surface pressure : 2524 psi
 Internal gradient (burst) : 0.068 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using buoyed weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)		Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost	
1	6,400	5.500	15.50	K-55	ST&C	6,400	4.825		
	Collapse Load Strgth S.F. (psi) (psi)			Burst Load (psi)	Min Int Strgth (psi)	Yield S.F.	Tension Load Strgth S.F. (kips) (kips)		
1	2959	4040	1.365	2959	4810	1.63	85.70	222	2.59 J

Prepared by : MATTHEWS, Salt Lake City, UT
 Date : 08-28-1995
 Remarks :

Minimum segment length for the 6,400 foot well is 1,000 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.75, and a mean gas
 temperature of 106°F (Surface 74°F , BHT 138°F & temp. gradient 1.000°/100 ft.)
 The mud gradient and bottom hole pressures (for burst) are 0.462 psi/ft and
 2,959 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guide-
 line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with
 evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body
 Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and
 Kemler curve. Engineering responsibility for use of this design will be that of the purchaser.
 Costs for this design are based on a 1987 pricing model. (Version 1.06)



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

August 21, 1995

AUG 22 1995

Mr. Stan Olmstead
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Dear Mr. Olmstead:

RE: Balcron Monument Federal #22-22-8-17Y
SE NW Section 22, T8S, R17E
Duchesne County, Utah
Federal Lease #U-67845

43.013-31538

Attached is the surface agreement certification and archeological waiver for the referenced well which is on private surface. This should be all we were waiting for on this well.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Attachment

cc: Utah Division of Oil, Gas and Mining



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☒
FAX: (406) 245-1361 ☐

RECEIVED AUG 18 1995

AUGUST 3, 1995

LESSOR: USA # U-67845

SURFACE OWNER: BRAD AND JOANN NELSON FAMILY TRUST
ETHAN LEE AND LOUISE NELSON FAMILY TRUST

WELL: MONUMENT FEDERAL # 22-22-8-17Y

WELLSITE: TOWNSHIP 8 SOUTH, RANGE 17 EAST
SECTION 22: SENW
DUCHESNE COUNTY, UTAH

I CERTIFY THAT THE UNDERSIGNED, THE BRAD AND JOANN NELSON FAMILY TRUST AND THE ETHAN LEE AND LOUISE NELSON FAMILY TRUST, HAVE REACHED AN AGREEMENT WITH EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION AS TO THE REQUIREMENTS FOR THE PROTECTION OF SURFACE RESOURCES AND RECLAMATION OF DISTURBED AREAS AND/OR DAMAGES IN LIEU THEREOF. THE UNDERSIGNED ALSO WAIVE ANY AND ALL ARCHEOLOGICAL ASSESSMENTS THAT MAY BE REQUIRED BY THE UTAH BUREAU OF LAND MANAGEMENT.

DATE: 8-16-95

SURFACE OWNER: Brad L. Nelson
TRUSTOR OF BRAD AND JOANN NELSON FAMILY TRUST

DATE: 8-16-95

SURFACE OWNER: Ethan Lee Nelson
TRUSTOR OF ETHAN LEE AND LOUISE NELSON FAMILY TRUST

DATE: 8-4-95

OPERATOR: D. Gary Kabeary
EQUITABLE RESOURCES ENERGY COMPANY,
BALCRON OIL DIVISION



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84100-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

August 28, 1995

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, Montana 59102

Re: Balcron Monument Federal #22-22-8-17Y Well, 1945' FNL, 2030' FWL, SE NW,
Sec. 22, T. 8 S., R. 17 E., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31538.

Sincerely,

R. J. Firth
Associate Director

ldc

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office
WAPD



Operator: Equitable Resources Energy Company
Well Name & Number: Balcron Monument Federal #22-22-8-17Y
API Number: 43-013-31538
Lease: Federal U-67845
Location: SE NW Sec. 22 T. 8 S. R. 17 E.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5340.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Frank Matthews or Mike Hebertson at (801)538-5340.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SUBMIT IN TRIPLICATE
(Check and attach to reverse side)
DATE 1995
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985
5. LEASE DESIGNATION AND SERIAL NO.
DIV. OF OIL GAS MINING 67845
6. IN INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐
b. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐
2. NAME OF OPERATOR
Equitable Resources Energy Company, Balcron Oil Division
3. ADDRESS OF OPERATOR
1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface
SE NW Section 22, T8S, R17E 1945' FNL, 2030' FWL
At proposed prod. zone
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
10.5 miles southwest of Myton, Utah
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
16. NO. OF ACRES IN LEASE
17. NO. OF ACRES ASSIGNED TO THIS WELL
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
19. PROPOSED DEPTH
6,400'
20. ROTARY OR CABLE TOOLS
Rotary
21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5,156' GL
22. APPROX. DATE WORK WILL START*
10/1/95

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See attached	Drilling Program/Casing Design			

Operator proposes to drill this well in accordance with the attached EXHIBITS. A listing of EXHIBITS is also attached.

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

CONDITIONS OF APPROVAL ATTACHED

JUN 22 1995

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Robbie Schuman Regulatory and Environmental Specialist
Robbie Schuman
(This space for Federal or State office use)
PERMIT NO. 43-013-31538 APPROVAL DATE
APPROVED BY Ken Kneigh ASSISTANT DISTRICT MANAGER MINERALS
CONDITIONS OF APPROVAL, IF ANY: DATE AUG 28 1995

U+080-517-188

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Fed. 22-22-8-17Y

API Number: 43-013-31538

Lease Number: U-67845

Location: SENW Sec. 22 T. 8S R. 17E

NOTIFICATION REQUIREMENTS

- | | | |
|---------------------------------|---|---|
| Location Construction | - | at least forty-eight (48) hours prior to construction of location and access roads. |
| Location Completion | - | prior to moving on the drilling rig. |
| Spud Notice | - | at least twenty-four (24) hours prior to spudding the well. |
| Casing String and Cementing | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings. |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests. |
| First Production Notice | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 2M system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

The surface casing will need to be cemented with **neat** cement.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the Moderately Saline water identified at ± 271 ft. or by extending the surface casing to ± 321 ft. and having a cement top for the production casing at least 200 ft. above the top of the Mahogany Oil Shale Zone identified at ± 3430 ft.. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to **Surface** if the surface casing is set at ± 260 ft. or to ± 3230 ft. if the surface casing is set at ± 321 ft.. The CBL shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

SURFACE USE PROGRAM

Conditions of Approval (COAs)

Equitable Resources Energy Company - Well #22-22-8-17Y

Location of exiting and/or proposed production facilities

All above-ground facilities will be painted earthtone color Desert Brown #10Y/R in accordance with the Munsell Soil Color chart within six months of the well completion unless prior written approval to proceed with another alternative has been granted via Sundry Notice.

Methods For Handling Waste Materials and Disposal

The reserve pit shall be lined with a synthetic liner that is a minimum of 12 mil thickness with sufficient bedding to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit.
Other information

Other information

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EQUITABLE RESOURCES

Well Name: BALCRON MONUMENT FEDERAL 22-22Y

Api No. 43-013-31538

Section 22 Township 8S Range 17E County DUCHESNE

Drilling Contractor UNION

Rig # 16

SPUDDED: Date 10/16/95

Time

How ROTARY

Drilling will commence

Reported by D. INGRAM-DOGM

Telephone #

Date: 10/16/95 Signed: JLT

11-1-95

43-013-31538



**EQUITABLE RESOURCES
ENERGY COMPANY**

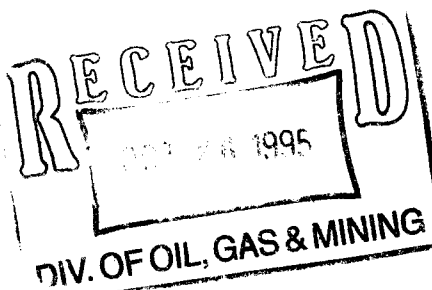
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒



October 24, 1995

**Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078**

Gentlemen:

**RE: Balcron Monument Federal #22-22-8-17Y
SE NW Section 22, T8S, R17E
Duchesne County, Utah**

43-013-31538

**This letter is notice that the subject well was spud on 10-16-95 at
9:30 p.m.**

Please feel free to contact me if you have any questions.

Sincerely,

Molly

**Molly Conrad
Operations Secretary**

/mc

**cc: State of Utah, Division of Oil, Gas, & Mining - also enclosed is
Entity Action Form 6.
Mary Lou Dixon, Uintah Basin Health Dept. - VIA FAX
Bobbie Schuman
Lou Ann Carlson**

OPERATOR Equitable Resources Energy Company
Balcron Oil Division
ADDRESS 1601 Lewis Avenue
Billings, MT 59102
(406) 259-7860

OPERATOR ACCT. NO. H 9890

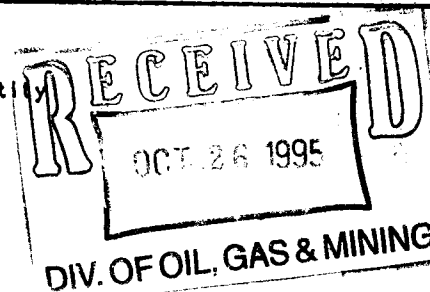
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11842	43-013-31538	Balcron Monument Fed. #22-22-8-17Y	SE NW	22	8S	17E	Duchesne	10-16-95	10-16-95
WELL 1 COMMENTS: Spud of a new well. Entity added 10-22-95. <i>fec</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

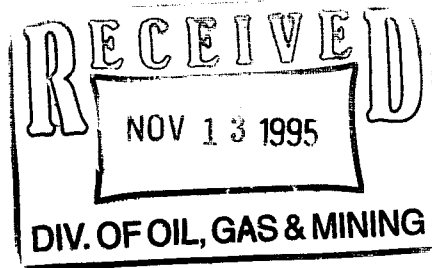
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)



Molly Conrad
Signature
Operations Secretary
Title
Date 10-24-95
Phone No. (406) 259-7860



WELL REPORT

43-013-31538
MONUMENT BUTTE FIELD
Balcron Monument Federal 22-22-8-17Y
1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

CONFIDENTIAL

By

PLEASE LEAVE
ON THIS SIDE

THANKS!
WELL REPORT
ONLY

DENNIS REHRIG & ASSOCIATES, INC.

Oil & Gas Consulting

4924 Rimrock Road
Billings, Montana 59106

(406) 656-4785

WELLSITE GEOLOGIST'S REPORT

**MONUMENT BUTTE FIELD
Balcron Monument Federal 22-22-8-17Y
1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah**

DENNIS REHRIG & ASSOCIATES, INC.

Oil & Gas Consulting

4924 Rimrock Road
Billings, Montana 59106

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MONUMENT BUTTE FIELD
Balcron Monument Federal 22-22-8-17Y
1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

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By:

DENNIS C. REHRIG

Consulting Geologist

For:

DENNIS C. REHRIG & ASSOCIATES, INC.

**Balcron Monument Federal 22-22-8-17Y
1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah**

GENERAL REVIEW

The Balcron Monument Federal 22-22-8-17Y SE $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 22, T8S-R17E, Duchesne County, Utah was drilled as a development-field extension well in the Monument Butte Field.

This well was supported by subsurface offset well control and drilled for identification of anticipated Douglas Creek and Wasatch Tongue oil sands and possible future water flood.

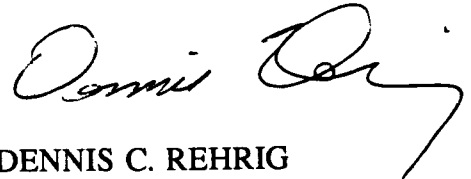
The surface hole was air drilled and surface casing was set by Rotary Rig No. 16 owned by Union Drilling Co. This well was spudded on October 16, 1995. A two-man mud logging unit was operable at 2250'. The Green River and Douglas Creek formations were penetrated at 1885' and 5234' making them respectively 6' low and 23' low structurally to the 1/4 mile offset Balcron Monument Federal 12-22Y (SW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 22, T8S-R17E) control well.

This well was drilled to 6400' (Driller) and 6398' (Logger).

Subsequent to log review the operator elected to run production casing for an attempted oil well completion.

The rotary was released 10/25/95.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Dennis C. Rehrig", with a long, sweeping horizontal stroke extending to the right.

DENNIS C. REHRIG

**Balcron Monument Federal 22-22-8-17Y
1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah**

WELL DATA

<u>OPERATOR:</u>	Balcron Oil
<u>LEASE & WELL NO.:</u>	Federal 22-22-8-17Y
<u>LOCATION:</u>	1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
<u>PROSPECT/FIELD:</u>	Monument Butte Field
<u>COUNTY:</u>	Duchesne
<u>STATE:</u>	Utah
<u>BASIN:</u>	Uintah
<u>WELL TYPE:</u>	Development – Field Extension
<u>BASIS FOR PROSPECT:</u>	Subsurface well control
<u>ELEVATIONS:</u>	G.L. 5159', K.B. 5169'
<u>SPUD DATE:</u>	11:30 AM (MDT) 10/16/95 (Rotary)
<u>OUT FROM UNDER SURFACE CASING:</u>	9:45 AM (MDT) 10/17/95
<u>DRILLING COMPLETED:</u>	6:00 AM (MDT) 10/24/95
<u>LOGGING COMPLETED:</u>	4:30 PM (MDT) 10/24/95
<u>RIG RELEASE:</u>	12:00 Noon (MDT) 10/25/95
<u>TOTAL DAYS SPUD THROUGH LOGGING:</u>	9 days
<u>TOTAL DEPTH:</u>	6,400' (Driller) 6,398' (Logger)
<u>TOTAL DRILLING DAYS:</u>	9 days

HOLE SIZE & CASING:

Hole Size

12¼" Surface to 346'
7⅞" 346' to T.D.

Casing Size

8⅝" surface to 332' K.B.
5½" surface to 6386' K.B.

WELL STATUS:

Ran production casing for attempted oil well completion.

PENETRATION:

298' below top of Carbonate Marker

COMPANY DRILLING CONSULTANT:

Al Plunkett

DRILLING CONTRACTOR:

Union Drilling Co.

RIG NO.:

16

TOOLPUSHER:

Jeff White

RIG SPECIFICATIONS:

Draw Works – Cabot–Franks, powered by one
V–8 Diesel Cat
Derrick – Cabot–Franks 115' mast.

BLOW OUT PREVENTER:

Make: Townsend. Type: 10" x 5000 lbs.
Drill Pipe: Size: 4½" OD, 2¼" ID, Thread: XH.
BHA: Length 498', 16 jts.
Tool joints: 6¼" OD, Type – XH.

MUD PUMP:

No. 1 – Gardiner–Denver FXN, 14" Stroke, 6" liner.

MUD COMPANY:

Anchor Drilling Fluids, Inc.
Operator bought products and drilling contractor
mixed as needed.

MUD PROGRAM:

Air/Foam – Surface to 4497'
KCl/Water 4497' – Total Depth

ELECTRIC OPEN–HOLE
LOGGING PROGRAM:

Halliburton Logging Services
Engineer: Kirk Evatt
Witnessed by: Dennis Rehrig and Al Plunkett
– Dual Laterolog w/Caliper, Gamma Ray, SP, and
Tension Curve (332'–6380')
– Spectral Density/Dual Spaced Neutron with Caliper,
Gamma Ray & Tension Curve (4000'–6353')

LOST CIRCULATION ZONE
OR DRILLING PROBLEMS:

None observed.

WELLSITE GEOLOGIST:

Dennis C. Rehrig

SAMPLING PROGRAM:

50' Samples from 2,100'–4,497'.
30' Samples from 4,497'–Total Depth,
except caught extra samples through
drilling breaks and/or mudlog shows, as necessary.

SAMPLE QUALITY:

Generally fair unless noted otherwise, but had poor
samples with much cavings after tripping.

SAMPLE DISPOSITION:

Utah Geological Survey – Salt Lake City, Utah

MUD LOGGING EQUIPMENT:

Chief Well Logging Co. – two man unit
Bob Francke and Rob Metes.

CORE PROGRAM:

None.

DRILLSTEM TEST:

None.

SURFACE CASING:

8 $\frac{5}{8}$ " Maverick, 24 wt, J–55, 8 Jts, from
surface – 332' K.B. Surface hole drilled and casing
set by rotary rig. Cemented with BJ, used 215 sxs
Class 'G', with 2% CaCl₂ and 1/4 lb/sx Cello Seal, circ
10 bbls to pit, plug down 9:30 PM 10/15/95.

PRODUCTION CASING:

Ran 148 jts of CFI 15.5 wt, J–55, 5 $\frac{1}{2}$ " production
casing to 6386' K.B., cemented with 162 sxs Lite and
tailed with 460 sxs of 50–50 POZ. Plug down @
8:00 AM 10/25/95.

**Balcron Monument Federal 22-22-8-17Y
1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah**

DAILY DRILLING HISTORY

Daily drilling reports taken primarily from Rig Tower Sheets and supplemented by Drilling Supervisor.
Day commenced at 6:00 AM (MDT) day of prior day of report and ends at 6:00 AM (MDT) day of report.

Days Since Spud	1995 Date	Depth	Ftg in Last 24 Hrs	Activity (hrs)			Bit No.	W O B (M)	RPM	PP	Activity
				Drlg	Maint. and Repairs	Other					
1	10/17	346'	346	7.00	1.25	15.75	1&2	8/10	30	190	Fire-up rig, drill and set conductor, weld conductor, NU, lay flowline, WO drive shaft, drilling 12¼" hole, circ, TOH, LD Hammer, ND, run 8⅝" casing, RU BJ and cement, WOC, break out, NU with BOP, service rig (S/R), pressure test BOP.
2	10/18	1463'	1117'	18.50	0.75	4.75	3	40	60	200	Test BOP, TIH, chain cellar, drill cement-shoe and baffle, drilling 7⅞" hole, R/S, survey, drilling, S/R and air booster, drilling, survey, drilling.
3	10/19	2950'	1487'	22.00	0.75	1.25	3	40	60	250	Drilling, survey, S/R, check rams, drilling, survey, S/R, drilling, S/R, drilling, clean hole, survey, drilling.
4	10/20	3930'	980'	22.75	0.50	0.75	3	40	60	250	Drilling, survey, S/R, check rams, drilling, survey, S/R, drilling, S/R, drilling.
5	10/21	4578'	648'	14.25	2.50	7.25	4	40	60	800	Drilling, survey, S/R, check rams, drilling, load hole and pump sweep, TOH, change bit, TIH, S/R, wash down 30', circ hole, WO mud pump, change out 6" swabs on pump, drilling, poly sweep.

Days Since Spud	1995 Date	Depth	Ftg in Last 24 Hrs	Activity (hrs)			Bit No.	W O B (M)	RPM	PP	Activity
				Drlg	Maint. and Repairs	Other					
6	10/22	5170'	592'	22.50	0.50	1.00	4	40	60	850	Survey, S/R, check rams, drilling, S/R, drilling, survey, drilling.
7	10/23	5720'	550'	22.25	1.00	0.75	4	40	60	850	Drilling, S/R, check rams, drilling, S/R, drilling, survey, drilling.
8	10/24	6400'	680'	22.75	0.75	0.25	4	40	60	850	Drilling, S/R, drilling, survey, drilling, S/R, drilling.
9	10/25	6400'	0	0	0	30.00	-	-	-	-	Pump sweep, S/R, survey, TOH, RU loggers and log, RD loggers, TIH, LD DP and collars, RU and run production casing, cement casing, WOC, release rig.

**Balcron Monument Federal 22-22-8-17Y
1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah**

SURVEYS VERTICAL HOLE

<u>Drilling Depth</u>	<u>Degrees</u>
500'	$\frac{3}{4}^{\circ}$
1000'	1°
1500'	$1\frac{3}{4}^{\circ}$
2000'	$1\frac{3}{4}^{\circ}$
2500'	2°
3000'	$1\frac{3}{4}^{\circ}$
3500'	$2\frac{1}{4}^{\circ}$
4000'	2°
4500'	$1\frac{3}{4}^{\circ}$
5000'	$2\frac{1}{2}^{\circ}$
5500'	$2\frac{3}{4}^{\circ}$
6000'	$2\frac{1}{2}^{\circ}$
6400'	$2\frac{1}{2}^{\circ}$

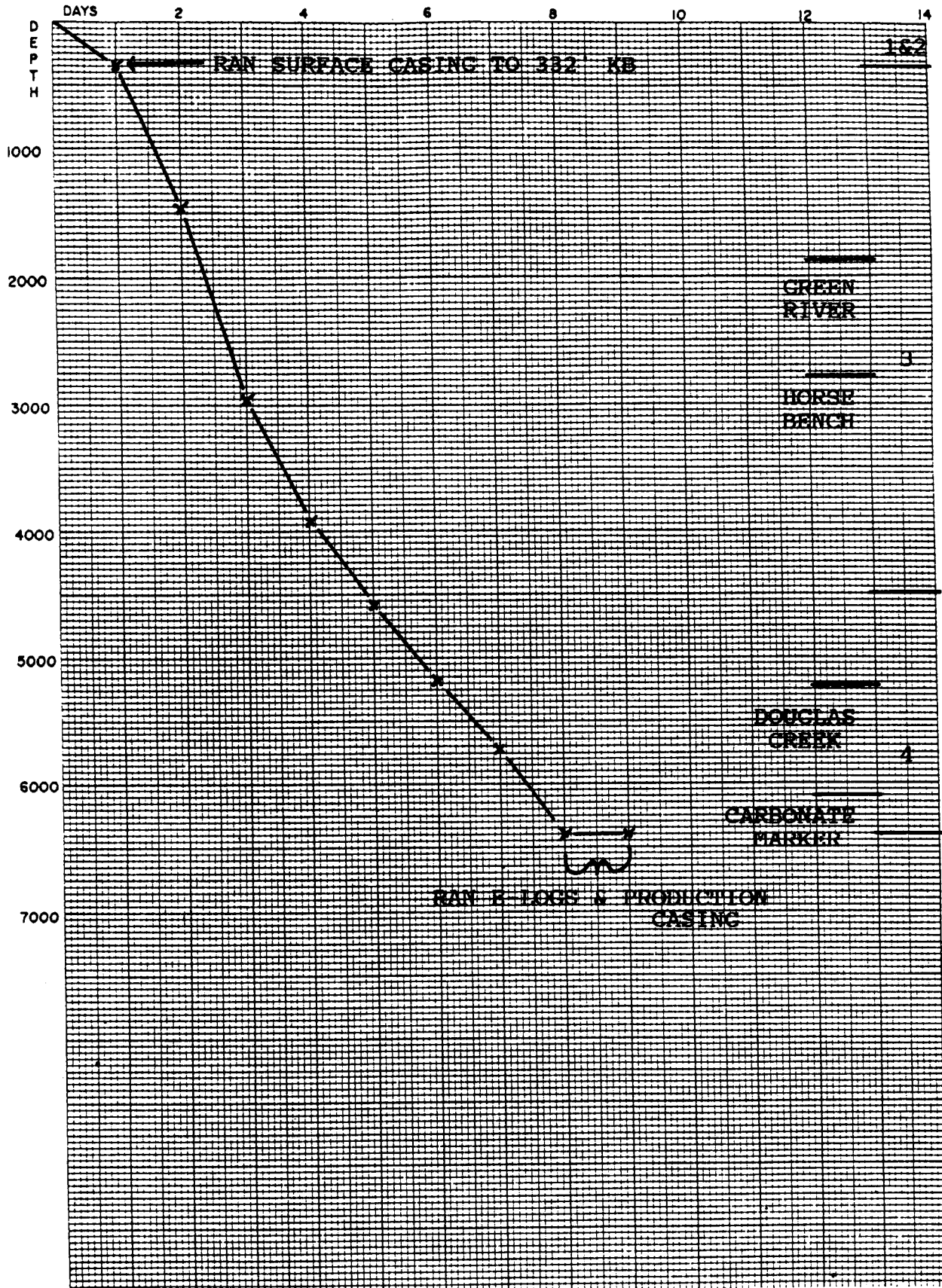
Balcron Monument Federal 22-22-8-17Y
1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah

B I T R E C O R D

Contractor: Union Drilling Co. Operator: Balcron Oil Lease: Federal State: Utah County: Duchesne Sec/T-ship/Range: SENW Sec. 22, T8S-R17E	Rig No. 16 Field: Monument Butte Well No. 22-22-8-17Y	Rig Make: Cabot-Franks Derrick: Cabot-Franks 115' mast Pump #1: Gardiner-Denver FXN Liner 6" x 14" Stroke	Collars: ODxIDxLength BHA 6½" x 2¼" x 16 Jts (498') Drill Pipe-Size 4½" - XH Tool Joint: 6¼"	SPUD 10/16/95 Under Surface 10/17/95 Total Depth 10/24/95 Total Days Drilling 9	Toolpusher: Jeff White Day Driller: Tim Braunns Evening Driller: Jim Arthur Morning Driller: Jim Ball Relief Driller: Jim Atcheson Operators Representative: Al Plunkett Mud Type: Air/Foam 0' to 4497' KCl/Water 4497' to TD
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Bit No	Bit Size	Bit Type	Bit Mfg	Serial No of Bit	Jet Size	Depth Out	Ftge	Hours Run	Acc Hours	Ft/Hr	Weight 1000 #	Rotary RPM	Vert. Dev.	Air or Pump Press	% of bit life used	Remarks
1	17½"	HAM	STC	174327	-Open-	28'	18	1	15	18	All	20		150	50%	WRR
2	12¼"	HAM	STC	1140077	-Open-	346'	318	6	82.5	53	10	25	¾°	200	50%	WRR
3	7¾"	S88CF	SEC	663612	24 24 24	4497'	4151	59	59	70	40	60	1¾°	250/300	100%	Junk
4	7¾"	NT-4	NuTech	08336	14 14 14	6400'	1903	63.5	63.5	29.96	40	60	2½°	850	100%	Junk

BALCRON MONUMENT FEDERAL 22Y
 1945' FNL, 2030' FWL, SECTION 22, T8S-R17E
 DUCHESNE COUNTY, UTAH
 TIME / DEPTH PENETRATION CURVE



**Balcron Monument Federal 22-22-8-17Y
1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah**

FORMATION TOPS

ELEVATIONS: G.L. 5159', K.B. 5169'

<u>FORMATION</u>	<u>E-Log Top</u>	<u>Subsea Datum</u>	<u>Structural Relationship To Reference Well *</u>
Green River	1885'	(+3284')	6' Low
Horsebench Sand	2791'	(+2378')	24' Low
2nd Garden Gulch	4429'	(+ 740')	23' Low
Yellow Marker	5063'	(+ 106')	19' Low
Douglas Creek	5234'	(- 65')	23' Low
2nd Douglas Creek Mkr	5506'	(- 337')	21' Low
Green Marker	5649'	(- 480')	18' Low
Carbonate Marker	6100'	(- 931')	20' Low
Uteland Butte LS	NDE		
TOTAL DEPTH:	6398' Logger		

* Reference Well:

Balcron Monument Federal 12-22Y
SW¼NW¼ Sec. 22, T8S-R17E
Duchesne County, Utah

Note: Correlations and nomenclature that provided and used by operator.

**Balcron Monument Federal 22-22-8-17Y
1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah**

REFERENCE WELL E-LOG FORMATION BOREHOLE AND SUBSEA DATUMS

**Balcron Monument Federal 12-22Y
SW¼NW¼ Sec. 22, T8S-R17E
Duchesne County, Utah**

K.B. 5202'

Formation

Green River	1912'	(+3290')
Horsebench	2800'	(+2402')
2nd Garden Gulch	4439'	(+ 763')
Yellow Marker	5077'	(+ 125')
Douglas Creek	5244'	(- 42')
2nd Douglas Creek Mkr	5518'	(- 316')
Green Marker	5664'	(- 462')
Carbonate Marker	6113'	(- 911')
Uteland Butte LS	6518'	(-1316')
TOTAL DEPTH	6594' (Logger)	

NOTE: Correlations and nomenclature that provided and used by operator.

**Balcron Monument Federal 22-22-8-17Y
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SIGNIFICANT GAS KICKS

Information from Mudlogger

<u>Formation</u>	<u>Sample (from Depth (Mudlog)</u>	<u>T i m e</u>	<u>Total Gas</u>
		<u>Before-During-After</u> <u>Min/Ft</u>	<u>Before-During-After</u> <u>Hotwire</u>
2nd Garden Gulch	4776' - 4786'	2.5 - 1.5 - 2.0	18 - 185 - 16
2nd Garden Gulch	4808' - 4812'	3.0 - 2.0 - 2.5	18 - 90 - 15
Yellow Marker	5210' - 5220'	2.5 - 3.0 - 2.5	25 - 60 - 20
Douglas Creek	5238' - 5242'	3.0 - 1.5 - 2.0	20 - 68 - 20
Douglas Creek	5252' - 5258'	3.5 - 2.0 - 3.5	20 - 80 - 20
Douglas Creek	5458' - 5464'	3.0 - 2.0 - 3.0	20 - 80 - 35
Green Marker	5776' - 5784'	2.0 - 1.0 - 2.0	40 - 900 - 20
Carbonate Marker	6156' - 6164'	3.0 - 3.5 - 2.0	65 - 280 - 50

NOTE: There is no inference that all these zones are productive, but rather the point is that gas shows were observed and usually in conjunction with sandstone present in samples. It is suggested that the operator note these zones in conjunction with other data from this well.

POTENTIAL SANDSTONE ZONES

Provided by Wellsite Geologist

E-Log Depth (Compensated Neutron - Litho Density Log)

4748' - 4753'	Zone thin.
*4768' - 4784'	
4791' - 4794'	Zone very thin.
5204' - 5214'	Low porosity.
5268' - 5273'	Zone thin.
*5770' - 5780'	Very good porosity.
6148' - 6162'	No live oil show in samples.
6213' - 6218'	Zone thin.

* Likely most prospective zones

NOTE: Sandstone generally seen in samples, but not always due to sample quality or thinness of sandstone in some cases.

**Balcron Monument Federal 22-22-8-17Y
1945' FNL, 2030' FWL, Sec. 22, T8S-R17E
Duchesne County, Utah**

SAMPLE DESCRIPTIONS

By: Dennis C. Rehrig

All samples caught by Mud Loggers and lagged from 2100' to Total Depth. Samples were examined wet, under reflected light and 2x magnification from 2100' to total depth, for porosity identification samples were dried. Sample descriptions generally tie well to drill time log. Sample quality was fair unless stated otherwise in descriptions. All sample descriptions are interpretive and not tied to E-logs.

NOTE: Many shales fluorescence and yield a cut in this section, also much rock becomes contaminated while air drilling, thus generally only shows which are felt to be significant to production from Sandstone reservoirs are reported.

- | | |
|-----------|---|
| 2100-50 | Argillaceous Dolomite-Limy Dolomite - tan-light to medium brown, microcrystalline, dense, slightly-moderately carbonaceous. |
| 2150-2200 | Argillaceous Dolomite-Limy Dolomite - medium-dark brown, occasionally dark grayish brown, abundant milky-clear crystalline Calcite as above. |
| 2200-50 | Argillaceous Dolomite-Limy Dolomite - as above, abundant Calcite as above, frequently amber-slightly yellow. |
| 2250-2300 | Argillaceous Dolomite-Limy Dolomite - medium-dark brown, medium-dark gray, microcrystalline, medium carbonaceous, dense, occasionally amber crystalline Calcite. |
| 2300-2400 | Argillaceous Dolomite-Limy Dolomite - generally as above, commonly pyritic. |
| 2400-2500 | Argillaceous Dolomite-Limy Dolomite - light-medium gray to medium brown, occasionally tan, microcrystalline, slightly-moderately carbonaceous, frequently pyritic, dense. |

- 2500-50 Argillaceous Dolomite-Limy Dolomite - grayish tan-tan to medium-dark brown, microcrystalline, slightly-moderately carbonaceous, frequently pyritic.
- 2550-2600 Argillaceous Dolomite-Limy Dolomite - generally as above, frequently milky-amber crystalline Calcite.
- 2600-50 Argillaceous Dolomite-Limy Dolomite - tan - medium to dark brown, microcrystalline, moderately carbonaceous, dense.
- 2650-2700 Argillaceous Dolomite-Limy Dolomite - grayish tan-tan as above.
- 2700-50 Argillaceous Dolomite-Limy Dolomite - as above, frequently milky-clear to very slightly amber Calcite.
- 2750-2800 Argillaceous Dolomite-Limy Dolomite - as above.
- Some Shale - medium gray-tan, soft-moderately soft, slightly-moderately carbonaceous, slightly-moderately calcareous.
- 2800-2900 Shale - generally light gray - frequently medium gray, moderately firm-moderately soft, slightly-moderately calcareous, slightly carbonaceous, frequently pyritic, frequently silty.
- 2900-50 Argillaceous Dolomite-Limy Dolomite - tan-light grayish tan, microcrystalline, slightly carbonaceous, frequently silty, some milky crystalline Calcite.
- 2950-3000 Argillaceous Dolomite-Limy Dolomite - as above, abundant milky-white crystalline Calcite.
- 3000-50 Argillaceous Dolomite-Limy Dolomite - generally dark brown, dense, microcrystalline, firm, moderately-highly carbonaceous, abundant crystalline-spar milky-amber Calcite in contact with Argillaceous Dolomite.
- 3050-3100 Argillaceous Dolomite-Limy Dolomite - generally tan-light brown, frequently medium-dark brown, occasionally dark grayish brown, slightly-moderately carbonaceous, microcrystalline, dense, some milky-slightly amber crystalline-spar Calcite.

- 3100-50 Argillaceous Dolomite-Limy Dolomite – generally medium-dark brown, frequently dark grayish brown, microcrystalline, firm, dense, trace Pyrite, generally moderately carbonaceous.
- 3150-3250 Argillaceous Dolomite – generally dark brown – dark grayish brown, more argillaceous and carbonaceous than above. Some is borderline calcareous Shale, slightly more pyritic.
- 3250-3300 Argillaceous Dolomite-Limy Dolomite – generally as above, some orangish brown, occasionally tan-medium brown, some algal laminae.
- 3300-50 Argillaceous Dolomite-Limy Dolomite – as above, increase in Pyrite.
- Some Shale – orangish brown – medium brown, occasionally dark gray – grayish black, moderately soft-moderately firm, moderately-highly carbonaceous, slightly-moderately calcareous, frequently algal laminae sub-fissile in part.
- 3350-3400 Argillaceous Dolomite-Limy Dolomite – as above.
- Shale – generally as above, but increase in amount, commonly sub-fissile.
- 3400-50 Limy Dolomite-Argillaceous Dolomite – tan, frequently light-medium brown, generally microcrystalline, firm-moderately firm, dense, siliceous in part, some Pyrite.
- Some Shale – light-medium gray, abundant Pyrite.
- 3450-3500 Limy Dolomite-Argillaceous Dolomite – as above.
- Shale – as above, some medium-dark brown, moderately firm, highly carbonaceous, some oil globules clinging to particles, pyritic, sub-blocky.
- Some Sandstone – very fine grained, ranging to Siltstone, milky, moderately well consolidated, frequently pyritic, sub-angular, tight, NSFOC.
- 3500-50 Shale – light gray occasionally medium gray – cream, moderately soft, slightly-moderately calcareous, abundant Pyrite, slightly carbonaceous in part, silty in part.

- Sandstone – very fine–fine grained – ranging to Siltstone , milky–clear, moderately unconsolidated, moderately well sorted, sub–angular, slightly argillaceous, slightly–moderately carbonaceous, some lithic particles and Pyrite, some poor–fair porosity, NSFOC.
- 3550–3600 Shale – light–medium gray, highly specked–mottled with carbonaceous material and Pyrite, frequently silty.
- 3600–50 Argillaceous Dolomite–Limy Dolomite – generally tan, some medium–dark brown, moderately carbonaceous, cryptocrystalline, firm, dense.
- 3650–3700 Argillaceous Dolomite–Limy Dolomite – as above.
- Some Shale – dark grayish brown – dark gray – black moderately–highly carbonaceous, slightly–moderately calcareous, sub–blocky in part, commonly light gray – light gray tan, highly pyritic.
- 3700–50 Shale – generally light gray –frequently cream, abundant Pyrite, silty in part.
- Some Siltstone – ranging to very fine grained Sandstone as 3500–50 above.
- 3750–3800 Shale – light gray –frequently medium gray – brownish gray as above.
- Argillaceous Dolomite–Limy Dolomite – tan–light brown – occasionally medium brown, cryptocrystalline, moderately firm, slightly–moderately carbonaceous.
- 3800–50 Argillaceous Dolomite–Limy Dolomite – grayish tan – frequently tan – occasionally slightly orangish tan, highly pyritic, microcrystalline, dense slightly–moderately carbonaceous.
- 3850–3900 Limy Dolomite – tan – occasionally buff, cryptocrystalline–microcrystalline, moderately firm, slightly carbonaceous in part, dense.
- Shale – generally light gray occasionally cream, occasionally silty, slightly–moderately calcareous, commonly pyritic.
- 3900–50 Limy Dolomite – as above.
- Shale – slightly emerald–light gray–cream, frequently pyritic.

- Some Siltstone – ranging to very fine–fine grained Sandstone, moderately unconsolidated in part, generally milky, moderately sorted, sub–angular slightly calcareous, slightly argillaceous, some Pyrite, no apparent porosity, NSFOC.
- 3950–4000 Dolomitic Limestone–Limestone – light tan, buff – frequently cream, cryptocrystalline, moderately firm, slightly carbonaceous in part, dense.
- Some Shale – light gray – tannish gray, commonly pyritic.
- 4000–50 Argillaceous Dolomite–Limy Dolomite – tan–grayish tan, cryptocrystalline, dense, firm–moderately firm, commonly pyritic, slightly carbonaceous.
- Limestone–Argillaceous Limestone – light tan – buff, microcrystalline, moderately soft, dense, abundant pellets.
- Some Shale – light–medium gray – tannish gray, frequently pyritic.
- 4050–4100 Shale – dark grayish tan–drab olive tan, moderately firm, moderately carbonaceous, slightly–moderately carbonaceous, frequently pyritic.
- Limestone–Argillaceous Limestone – as above.
- 4100–50 Shale – light–medium gray, frequently tannish gray, frequently silty, commonly pyritic.
- Some Sandstone – very fine–fine grained ranging to Siltstone, moderately unconsolidated in part, moderately–poorly sorted, slightly calcareous, slightly argillaceous, sub–angular, generally tight, NSFOC.
- 4150–4200 Shale – as above, occasionally dark brown – dark grayish brown.
- Some Sandstone – very fine–fine grained ranging to Siltstone as above.
- Some Argillaceous Dolomite–Limy Dolomite – orangish brown – yellowish tan – medium brown, microcrystalline, moderately firm, dense, moderately carbonaceous.
- 4200–50 Shale – mixture of light–dark gray – dark grayish brown – occasionally dark brown.

Some Argillaceous Dolomite–Limy Dolomite – as above.

4250–4300 Shale – medium–dark gray – dark brownish gray, slightly–moderately calcareous, moderately–occasionally highly carbonaceous, frequently pyritic.

Argillaceous Dolomite – occasionally Limy Dolomite – generally dark tan–medium brown, microcrystalline–cryptocrystalline, slightly–moderately carbonaceous, moderately firm, dense, occasionally siliceous.

4300–50 Shale – medium tannish gray – frequently medium gray, abundant Pyrite.

Limestone–Dolomitic Limestone – buff–light tan, cryptocrystalline–occasionally microcrystalline, moderately firm, dense, trace ostracods.

4350–4400 Shale – generally light gray –slightly emerald, occasionally tan, commonly moderately pyritic.

Sandstone – fine to very fine grained occasionally ranging to Siltstone, milky–white, moderately unconsolidated in part, moderately well sorted, sub–angular, slightly calcareous, slightly argillaceous in part, probably some fair–good porosity but not obvious in sample, NSFOC.

4400–50 Shale – generally emerald–light gray as above.

Limestone–Argillaceous Limestone – cream–light buff, cryptocrystalline–microcrystalline, moderately firm–moderately soft, slight evidence of pellets?, dense.

4450–97 Shale – light gray – very slightly emerald.

Limestone–Argillaceous Limestone – as above, no pellets.

Some Sandstone – very fine–fine grained, moderately unconsolidated, moderately well sorted, some loose grains, sub–angular, probably some fair–good porosity, NSFOC.

TOH @ 4497' to switch to fluid and change bit.

4497–4530 Shale – generally medium gray, some light gray –slightly emerald, silty in part.

Argillaceous Dolomite–Limy Dolomite – orangish brown – yellowish tan–medium brown, microcrystalline, firm–moderately firm, moderately carbonaceous, dense.

Some Siltstone – ranging to very fine grained Sandstone, milky, well consolidated, moderately sorted, sub–angular, tight, NSFOC.

4530–60 Shale – generally medium gray or dark grayish brown, occasionally light gray.

Limestone–Argillaceous Limestone – tan–light brown, microcrystalline, moderately firm, dense, some pellets.

4560–90 Shale – medium – tannish gray, commonly slightly emerald – light gray – tannish gray, frequently silty.

Limestone–Argillaceous Limestone – as above, ostracods common, some intercrystalline–pinpoint vuggy porosity, with medium brown oil stain, dull yellow fluorescence and weak bluish–yellow milky cut. Insignificant for reservoir potential.

Some Siltstone – ranging to very fine grained Sandstone, milky–white, well consolidated, pyritic, tight, NSFOC.

4590–4620 Limestone–Argillaceous Limestone – cream–buff–light tan, cryptocrystalline, moderately soft, dense, trace of pellets.

Some Shale – light–medium gray – emerald as above.

4620–50 Highly mixed sample.

Shale – light–medium gray, occasionally emerald – tan.

Siltstone – ranging to very fine grained Sandstone, milky–light gray, well consolidated, siliceous in part, specks of carbonaceous material and lithic particles, tight, NSFOC.

Argillaceous Dolomite–Limy Dolomite – orangish brown – yellowish tan – dark brown, microcrystalline, generally firm, dense, moderately–highly carbonaceous.

- 4650-80 Entire sample much as above, except some medium brown-grayish brown Shale, Sandstone highly peppered with carbonaceous material, lithic fragments and Glauconite in part, trace faint brown oil stain with dull yellow fluorescence and very weak bluish-yellow glow cut, but rock not porous enough to be potentially commercial.
- 4680-4710 Shale - light-medium gray occasionally slightly emerald-cream.
- Sandstone - very fine-fine grained ranging to Siltstone, generally milky, well consolidated, poorly-moderately well sorted, sub-angular to sub-round, slightly-moderately argillaceous, slightly-moderately calcareous, frequently specked with carbonaceous material and lithic fragments, no apparent porosity, NSFOC.
- 4710-40 Shale - as above.
- Sandstone - very fine-fine grained - ranging to Siltstone, trace black dead oil.
- Argillaceous Dolomite-Limy Dolomite - as above sample.
- 4740-70 Sample as above, some Limestone as above.
- 4770-86 Sandstone - very fine grained - generally light-medium brown, moderately well consolidated - slightly friable in part, moderately well sorted, sub-round to sub-angular, slightly argillaceous in part, slightly calcareous in part, some Pyrite, generally fair-good porosity, generally even light-medium brown oil stain, very weak dull yellow fluorescence in part, weak bluish-yellow burst-bleeding cut in part. This is very likely a commercial zone if E-logs confirm porosity, although the cut is generally weak, but stain is very good.
- Shale - light-medium gray - emerald.
- Argillaceous Dolomite-Limy Dolomite - as above.
- 4786-4800 Shale - light-medium gray.
- Argillaceous Dolomite-Limy Dolomite - as above.

Sandstone – very fine grained, milky–light brown, moderately well consolidated, moderately well sorted, sub–angular, slightly argillaceous in part, slightly calcareous in part, some fair–good porosity, commonly even light brown oil stain, very weak dull yellow fluorescence in part, very weak bluish–yellow ooze cut in part. It appears insufficient porosity and permeability are present for commercial potential but need E–log confirmation.

4800–30 Shale – generally medium gray, frequently dark grayish brown – light gray.

Argillaceous Dolomite–Limy Dolomite – as above.

4830–60 Shale – generally light gray, frequently medium gray, occasionally cream–emerald.

Argillaceous Dolomite–Limy Dolomite – as above.

Some Sandstone – very fine to fine grained ranging to Siltstone, milky–white, tight, NSFOC.

Some Limestone – tan–buff as above, some ostracods.

4860–90 Shale – light–medium gray frequently tannish gray, occasionally emerald, frequently silty.

Argillaceous Dolomite–Limy Dolomite – as above.

4890–4920 Shale – generally dark gray – dark tannish gray, sub–blocky – sub–splintery in part, moderately–highly carbonaceous.

4920–50 Shale – dark tannish gray – dark brown, frequently grayish black, occasionally slightly mottled and pyritic, moderately–highly carbonaceous, slightly–moderately carbonaceous.

4950–5010 Shale – combination of light gray – slightly emerald with tan–tannish gray – medium to dark gray.

Argillaceous Dolomite–Limy Dolomite – as above.

Some Sandstone – very fine to fine grained ranging to Siltstone, well consolidated, tight, NSFOC.

- Trace Limestone – tan–buff, microcrystalline, tight, some ostracods.
- 5010–40 Shale – light–medium gray – cream, frequently mottled with carbonaceous material, commonly silty.
- Argillaceous Dolomite–Limy Dolomite – orangish brown – yellowish tan, microcrystalline, moderately firm–moderately soft, moderately carbonaceous, dense, some milky crystalline Calcite.
- Some Sandstone – very fine grained – ranging to Siltstone, milky–light gray, generally dirty, mottled–specked with carbonaceous material, and/or dead oil, moderately well consolidated, moderately poorly sorted, sub–angular, slightly–moderately argillaceous, slightly–moderately carbonaceous, tight, NSFOC.
- 5040–70 Shale – dark gray – dark tannish gray – grayish black, frequently light–medium gray, commonly slightly bronze cast, moderately–highly carbonaceous, sub–fissile in part.
- 5070–5100 Shale – light gray – cream, occasionally medium gray, commonly mottled–specked with carbonaceous material, silty in part.
- Argillaceous Dolomite–Limy Dolomite – as above.
- Sandstone – very fine grained ranging to Siltstone, generally milky, occasionally light gray, moderately–poor sorting, sub–angular to sub–round, commonly lithic particles – carbonaceous material, trace Pyrite, slightly argillaceous in part, slightly calcareous in part, tight, NSFOC.
- 5100–60 Shale – generally light gray, occasionally medium gray – cream, slightly mottled in part, silty in part, occasionally pyritic.
- Argillaceous Dolomite–Limy Dolomite – as above, frequently pyritic.
- Some Sandstone – very fine grained ranging to Siltstone, as above.
- 5160–90 Argillaceous Dolomite–Limy Dolomite – as above, frequently crystalline Calcite.
- Shale – light–medium gray, occasionally emerald – dark tan, silty in part.

Some Siltstone – ranging to very fine grained, Sandstone, well consolidated, moderately–poorly sorted, typically lithic particles – carbonaceous material, tight, NSFOC.

5190–5220 Shale – medium gray – emerald, frequently light gray – cream, silty in part.

Argillaceous Dolomite–Limy Dolomite – orangish brown – yellowish brown – dark brown, microcrystalline, firm, commonly milky–clear crystalline Calcite, dense.

Some Sandstone – very fine grained ranging to Siltstone, milky to very light tan in part, well consolidated, moderately–poorly sorted, sub–angular, frequently lithic particles – carbonaceous material, some Pyrite, generally tight, some poor porosity, very slightly even–uneven light brown oil stain in part, no fluorescence, very weak bluish yellow glow cut in part. Not good enough reservoir to be prospective.

5220–50 Argillaceous Dolomite–Limy Dolomite – as above.

Shale – light gray – emerald – cream.

Trace Sandstone – very fine grained, light brown, moderately well consolidated, moderately well sorted, sub–angular, fair porosity, fair even light–medium brown oil stain, very weak dull yellow fluorescence, fair bluish yellow glow–halo cut. Probably cavings since only trace in sample.

5250–80 Argillaceous Dolomite–Limy Dolomite – as above.

Shale – light–medium gray – emerald, silty in part.

Trace Sandstone – very fine grained ranging to Siltstone as above, with similar show.

5280–5310 Shale – dark tannish gray – dark gray, some light gray.

Argillaceous Dolomite–Limy Dolomite – as above.

5310–40 Shale – generally medium gray, occasionally light gray – cream, frequently specks of carbonaceous material and silty.

- Some Siltstone – milky–light gray, well consolidated, frequently specks of carbonaceous material, moderately–highly argillaceous, dense, NSFOC.
- 5340–70 Shale – generally as above, occasionally emerald, frequently pyritic.
- Siltstone – as above, siliceous in part.
- 5370–5400 Sandstone – very fine to fine grained ranging to Siltstone, milky–cream, well consolidated, moderately–poorly sorted, sub–angular to sub–round, slightly–moderately argillaceous – moderately calcareous, frequently lithic particles and Pyrite. No apparent porosity, NSFOC, siliceous in part.
- Shale – light–medium gray occasionally cream, some Pyrite, frequently silty.
- 5400–30 Shale – as above.
- Some Sandstone – very fine grained – ranging to Siltstone, milky–light gray as above.
- 5430–60 Shale – light–medium gray – frequently creamy, frequently specks of carbonaceous material, commonly silty.
- Siltstone – ranging to very fine grained Sandstone, milky–white, well consolidated, frequently specked with carbonaceous material, lithic particles, some Glauconite, tight, NSFOC.
- Some Argillaceous Dolomite–Limy Dolomite – as above.
- 5460–90 Shale – light gray – light tannish gray – cream, slightly pyritic.
- Argillaceous Dolomite–Limy Dolomite – orangish brown – yellowish tan, microcrystalline, firm–moderately firm, moderately–highly carbonaceous in part, dense.
- Trace Siltstone – ranging to very fine grained, Sandstone, light tan, well consolidated, moderately well sorted, slightly argillaceous, slightly calcareous, poor porosity light tan even–uneven oil stain, very weak dull yellow fluorescence in part, very weak bluish halo–milky cut.
- 5490–5520 Shale – generally medium gray – medium tannish gray, frequently dark brown – dark brownish gray, silty in part.

- 5520–50 Shale – light–medium gray – cream, frequently specked–streaked with carbonaceous material, commonly silty, some dark tan–dark brown – dark gray.
- Siltstone – ranging to very fine grained, Sandstone, milky–light gray, well consolidated, moderately well–poorly sorted, sub–round to sub–angular, slightly argillaceous, slightly calcareous, some lithic particles and carbonaceous material, generally tight, NSFOC. Trace Sandstone with even medium brown oil stain, good porosity, weak dull yellow fluorescence, and fair bluish–yellow halo–streaming cut.
- Some Argillaceous Dolomite–Limy Dolomite – as above.
- 5550–80 Shale – dark tan – dark tannish gray.
- Some Argillaceous Dolomite–Limy Dolomite – as above.
- Trace Siltstone – ranging to very fine grained Sandstone, light brown – milky, well consolidated, moderately well sorted, poor–fair porosity in part, some even light–medium brown oil stain, trace very weak dull yellow fluorescence, very weak bluish yellow diffuse milky cut.
- 5580–5610 Shale – light–medium gray, frequently medium tan–tannish gray – slightly emerald.
- Argillaceous Dolomite–Limy Dolomite – as above.
- Trace Sandstone – very fine to fine grained ranging to Siltstone, well consolidated, moderately–poorly sorted, generally tight, but trace show in poor–fair porosity as above.
- 5610–40 Shale – dark gray – grayish black, typically with bronze cast, highly carbonaceous.
- 5640–70 Shale – as above, typically orangish–brown, sub–platy to sub–fissile in part.
- 5670–5700 Shale – dark gray – grayish tan – dark tan, occasionally medium gray, moderately–highly calcareous in part, moderately carbonaceous.
- Some Argillaceous Dolomite–Limy Dolomite – as above.

- 5700-30 Shale – light-medium gray, occasionally cream, some Pyrite, frequently silty.
- Some Siltstone – ranging to very fine grained Sandstone, well consolidated, moderately well sorted, milky-white, light gray, tight, NSFOC.
- Some Argillaceous Dolomite-Limy Dolomite – as above.
- 5730-60 Shale – generally medium gray, frequently light gray, occasionally emerald to dark gray.
- Argillaceous Dolomite-Limy Dolomite – as above.
- Some Siltstone – ranging to very fine grained Sandstone as above.
- 5760-80 Argillaceous Dolomite-Limy Dolomite – orangish brown – yellowish tan, microcrystalline, moderately firm-firm, frequently milky-amber crystalline Calcite, moderately-highly carbonaceous.
- Shale – generally light gray – cream – emerald.
- Sandstone – very fine to fine grained, generally light-medium brown, generally moderately unconsolidated – frequently friable, moderately well sorted, sub-round to sub-angular, slightly calcareous in part, slightly argillaceous in part, generally very good porosity, generally light-medium brown even oil stain, very weak dull yellow fluorescence in part, fair bluish-yellow streaming cut. Not a large percentage of sample, but if zone thick enough should definitely be commercial.
- 5780-90 Sample generally as above, with frequently many loose fine size sub-round to sub-angular quartz grains held together in dark brown – black oil balls.
- 5790-5820 Argillaceous Dolomite-Limy Dolomite – as above.
- Shale – light-medium gray – emerald, occasionally rust, silty-sandy in part.
- Some Sandstone – very fine to fine grained, generally well consolidated, poorly sorted, milky-light gray, tight-poor porosity, lithic particles, some Pyrite, slightly-moderately argillaceous, slightly-moderately carbonaceous, generally NSFOC, occasionally spotty light brown oil stain, no fluorescence, very weak bluish-yellow glow cut.

- 5820-80 Argillaceous Dolomite-Limy Dolomite - as above.
- Shale - emerald frequently light-medium gray - rust, silty-sandy in part.
- Some Sandstone - very fine to fine grained as above.
- 5880-5910 Argillaceous Dolomite-Limy Dolomite - as above.
- Shale - emerald - rust - lavender, occasionally colors mixed, frequently moderately silty-sandy.
- Some Sandstone - very fine to fine grained emerald - light gray - milky, well consolidated, poorly sorted, moderately-highly argillaceous, tight, NSFOC.
- 5910-40 Argillaceous Dolomite-Limy Dolomite - as above.
- Shale - drab green-emerald, light-medium gray, frequently silty, occasionally sandy.
- 5940-6000 Shale - grayish black - black - dark gray, abundant microcrystalline disseminated Pyrite, frequently sub-platy, highly carbonaceous.
- 6000-30 Shale - mixture of above with light-medium gray, some emerald.
- Argillaceous Dolomite-Limy Dolomite - as above.
- Some Limestone - tan-buff, microcrystalline, moderately firm, dense.
- 6030-60 Shale - grayish black-black, commonly with slightly bronze cast from abundant Pyrite, highly carbonaceous, sub-platy to sub-fissile in part.
- 6060-90 Shale - black-grayish black as above.
- Some Argillaceous Dolomite-Limy Dolomite - as above.
- 6090-6120 Limy Dolomite-Argillaceous Dolomite - orangish brown - tan - yellowish tan.
- Shale - light-medium gray - emerald.

- 6120-50 Argillaceous Dolomite-Limy Dolomite - orangish brown - occasionally yellowish tan.
- Shale - light-medium gray - emerald - cream, occasionally specked-mottled with carbonaceous material, silty in part.
- Some Sandstone - very fine grained - ranging to Siltstone, milky, well consolidated, tight, NSFOC.
- 6150-6210 Argillaceous Dolomite-Limy Dolomite - as above, some dark brown - tan.
- Shale - as above, some dark gray - black - drab green - dark gray.
- Some Sandstone - very fine to fine grained, milky-white, commonly specked with carbonaceous material-lithic particles, tight, NSFOC, some dead oil stain.
- 6210-40 Argillaceous Dolomite-Limy Dolomite - orangish brown - yellowish tan - tan - occasionally medium brown, microcrystalline, generally firm, moderately-highly carbonaceous, some crystalline Calcite, dense.
- Shale - medium-dark gray, drab green, occasionally light gray - cream, frequently silty.
- Sandstone - very fine to fine grained, generally milky-occasionally light brown, moderately well consolidated, moderately well sorted, sub-round to sub-angular, frequently lithic particles - carbonaceous material, generally tight, slightly-moderately argillaceous, slightly calcareous, some Pyrite, some fair-good porosity, occasionally light-medium brown even-uneven oil stain, very weak dull yellow fluorescence in part, very weak bluish-yellow glow-halo cut. Rock with show only minor quantity in sample, probably zone not commercial.
- 6240-6300 Shale - light-medium gray - cream - drab green - rust, also grayish black-black, frequently pyritic in part, frequently specked-mottled in part.
- Argillaceous Dolomite-Limy Dolomite - as above.
- Some Sandstone - very fine to fine grained - ranging to Siltstone as above.

6300-30

Shale – grayish black-black, abundant Pyrite, also medium gray – drab green, silty in part.

Argillaceous Dolomite-Limy Dolomite – as above.

Some Sandstone – fine to very fine grained, milky-light green-light brown in part, moderately well consolidated, generally moderately-poorly sorted, sub-round to sub-angular, generally moderately argillaceous, slightly calcareous, generally tight, trace amount of fair-good porosity, fair even-spotty light-medium brown oil stain, very weak dull yellow fluorescence in part, very weak bluish yellow glow-halo cut.

6330-6400

Highly mixed sample.

Shale – light gray – cream, highly specked-mottled with carbonaceous material, medium gray – drab green – rust – lavender in part, some grayish black-black.

Argillaceous Dolomite-Limy Dolomite – as above.

Some Sandstone – very fine to fine grained ranging to Siltstone as above with trace amount of show as above.

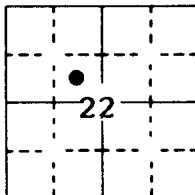
DRILLERS TOTAL DEPTH – 6400'.

DENNIS REHRIG & ASSOCIATES, INC.

OIL & GAS CONSULTING

4924 RIMROCK ROAD
BILLINGS, MONTANA 59108
(406) 658-4785

GEOLOGIC WELL LOG



BALCRON MONUMENT FEDERAL 22-22Y
1945' FNL, 2030' FWL, SEC. 22, T8S-R17E
DUCHESNE COUNTY, UTAH

ELEVATIONS: G.L. 5159' (GRADED). K.B. 5169'

SPUD: 11:30 AM (MDT) 10/16/95

OUT FROM UNDER SURF. CSG.: 9:45 AM (MDT) 10/17/95

DATE DRLG. COMP.: 6:00 AM (MDT) 10/24/95

DATE WELL COMPLETED: 12:00 NOON (MDT) 10/25/95

STATUS: CASED FOR OIL COMPLETION ATTEMPT

SURF. CSG.: 85/8" TO 332' K.B.

PRODUCTION CSG: 51/2" TO 6386' K.B.

CORES: NONE

DRILL STEM TESTS: NONE

CONTRACTOR: UNION DRILLING CO.

RIG: NO. 16

DERRICK: CABOT FRANKS, 115' MAST

DRAWWORKS: CABOT FRANKS, POWERED BY
V-8 DIESEL CAT

PUMPS: 1- GARDNER DENVER FXN, 14"
STROKE, 6" LINER

DRILL PIPE: 41/2" OD, 21/4" ID, X-H

COLLARS: 16 JTS., 6" OD THREAD

MUD SYSTEM: AIR/FOAM TO 4497', KCL/WTR
4497'-TD

TOTAL BITS: 4

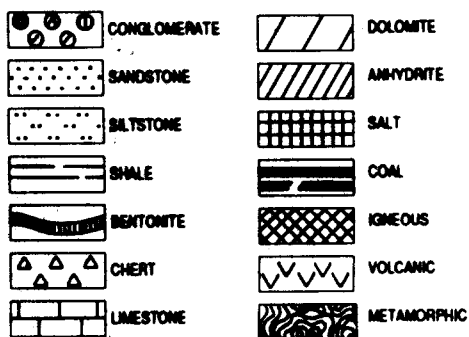
TOTAL DAYS TO LOG POINT: 9 TO COMPL: 10

T.D. DRILLER 6400' LOGGER 6398'

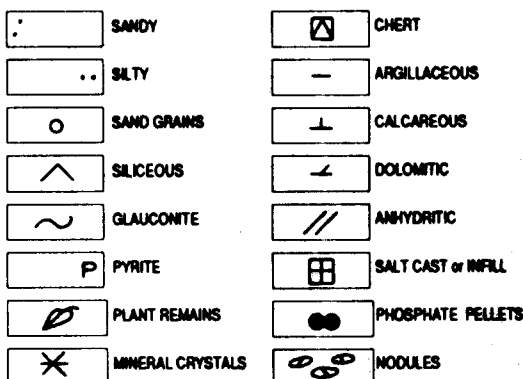
PENETRATION: 298' BELOW TOP OF CARBONATE
MARKER

ROCK TYPE

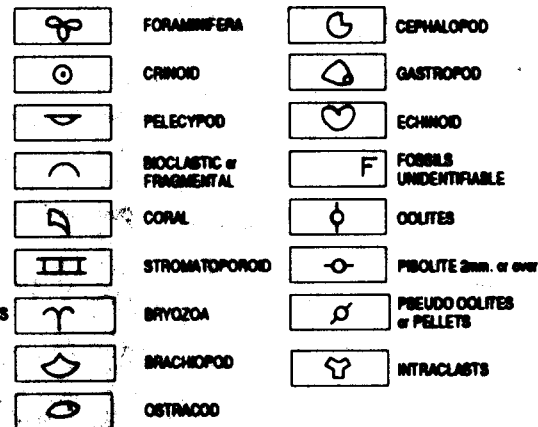
(Consistent with American Stratigraphic Company)



ACCESSORIES



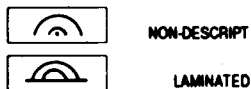
ORGANIC or NON ORGANIC ALLOCHEMS



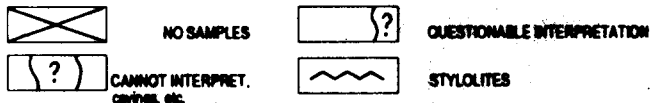
FRAMEWORK ALGAE



NON-FRAMEWORK ALGAE



MISCELLANEOUS



POROSITY TYPES

- X INTERCRYSTALLINE, INTERGRANULAR, INTERFRAGMENTAL
- Q INTEROOLITIC, INTERPELLETOID
- V VUGGY - voids greater than 1/16mm
- P PINPOINT - voids less than 1/16mm
- M MOLDIC
- O ORGANIC - bridged, Intrafossil
- F FRACTURE
- e EARTHY - low permeability, crystals less than 1/16mm
- Q FENESTRAL - voids from gas bubbles, shrinkage cracks & birdseye texture

OIL STAINS - stain present

- EVEN STAINING, FLOURESCES IN SOLVENT
- ① SPOTTED STAINING, FLOURESCES IN SOLVENT
- D DEAD, ASPHALTIC, BITUMEN, ETC.
- QUESTIONABLE, NO FLOURESCENCE IN SOLVENT

EVALUATION LEGEND



WHOLE CORE
DRILL-STEM TEST
PERFORATIONS

DRILLING AND PRODUCTION DATA

CASING SET	RPM	ROTATION (REV/MIN)
NB NEW BIT	PP PUMP PRESSURE	
RRB RERUN BIT	LC LOST CIRCULATION	
CB CORE BIT	NR NO RETURNS	
DS DEVIATION SURVEY	TG TRIP GAS	
W/B WEIGHT ON BIT	CG CONNECTION GAS	

MUD DATA

V	VISCOSITY
W	WEIGHT IN lbs/gal
WL	FILTRATE IN cc
FC	FILTER CAKE
CL	CHLORIDE CONTENT (ppm)
Rm	MUD RESISTIVITY (Ω)
Rmf	MUD FILTRATE RESISTIVITY (Ω)

ELECTRIC LOG
GAMMA RAY / CALIPER

INTERPRETED
LITHOLOGY
AND
DEPTH

DRILLING PENETRATION
RATE (MIN / FT)

CASING &
PERFORATIONS
CORE & DST
CL
SHOWS
POROSITY
(%)

E=LOG TOPS

1700

1800

GREEN RIVER

1900

2000

2100

2200

2300

2400

INTERPRETATIVE LITHOLOGIC & SAMPLE DESCRIPTIONS
BASED ON SAMPLES CAUGHT BY MUDLOGGERS
GENERALLY TIE WELL TO DRILL TIME LOG.
SEE REPORT FOR DETAILED DESCRIPTION
OF SAMPLES, POROSITY & SHOWS.

SAMPLES EXAMINED FROM 2100'-TOTAL
DEPTH. SEE SAMPLE DESCRIPTIONS
IN REPORT FOR DETAILS



2500

2600

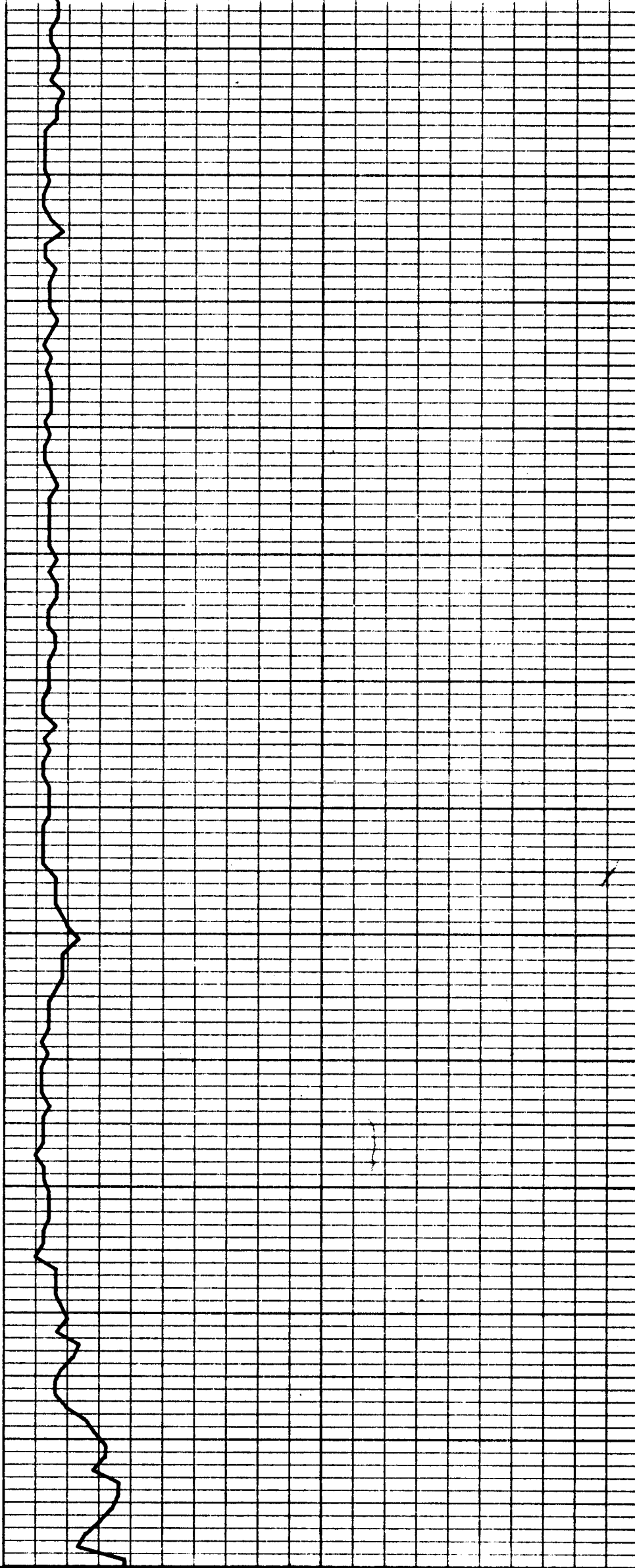
2700

2800

2900

3000

HORSEBENCH





3700

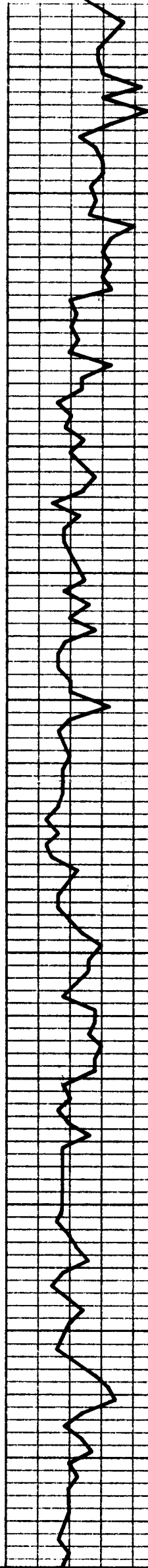
3800

3900

4000

4100

4200



4300

4400

4500

4250

4300

50

2ND GARDEN GULCH

INTERPRETATIVE LITHOLOGIC & SAMPLE DESCRIPTIONS
BASED ON SAMPLES CAUGHT BY MUDLOGGERS
GENERALLY IN WELL TO DRILLTIME LOG.
SEE REPORT FOR DETAILED DESCRIPTION
OF SAMPLE POROSITY & SHOWS.

TOH @4497' TO SWITCH TO FLUID
& CHANGE BIT

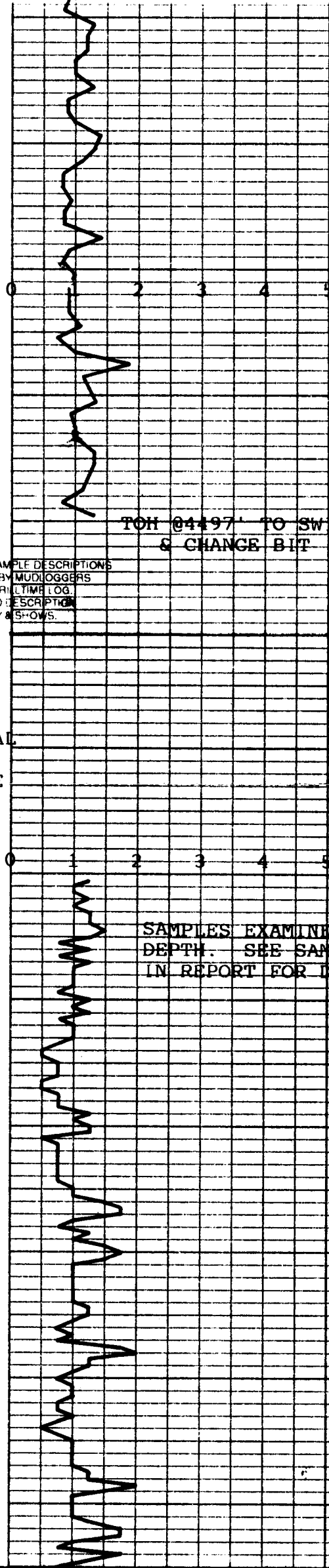
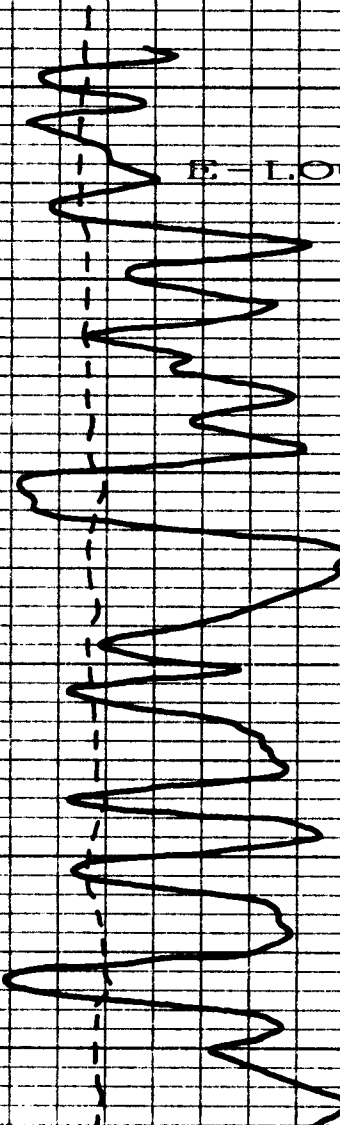
GAMMA RAY 150

CALIPER 16

VERTICAL
SCALE
CHANGE

E-LOG TOPS

SAMPLES EXAMINED FROM 2100-TOTAL
DEPTH. SEE SAMPLE DESCRIPTIONS
IN REPORT FOR DETAILS



4400

2ND GARDEN GULCH

50

4500

50

4600

TOH @4497' TO SWITCH TO FLUID
& CHANGE BIT. SWITCHED FROM
AIR/FOAM TO KCL WATER DRILLING
AT 4497'

50

4700

50

4800

50

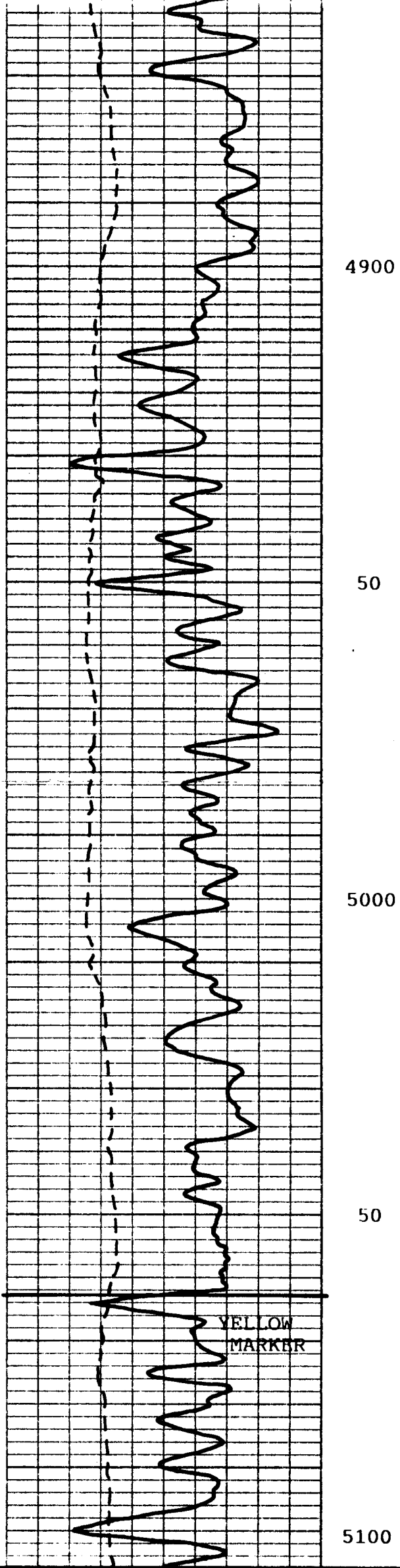
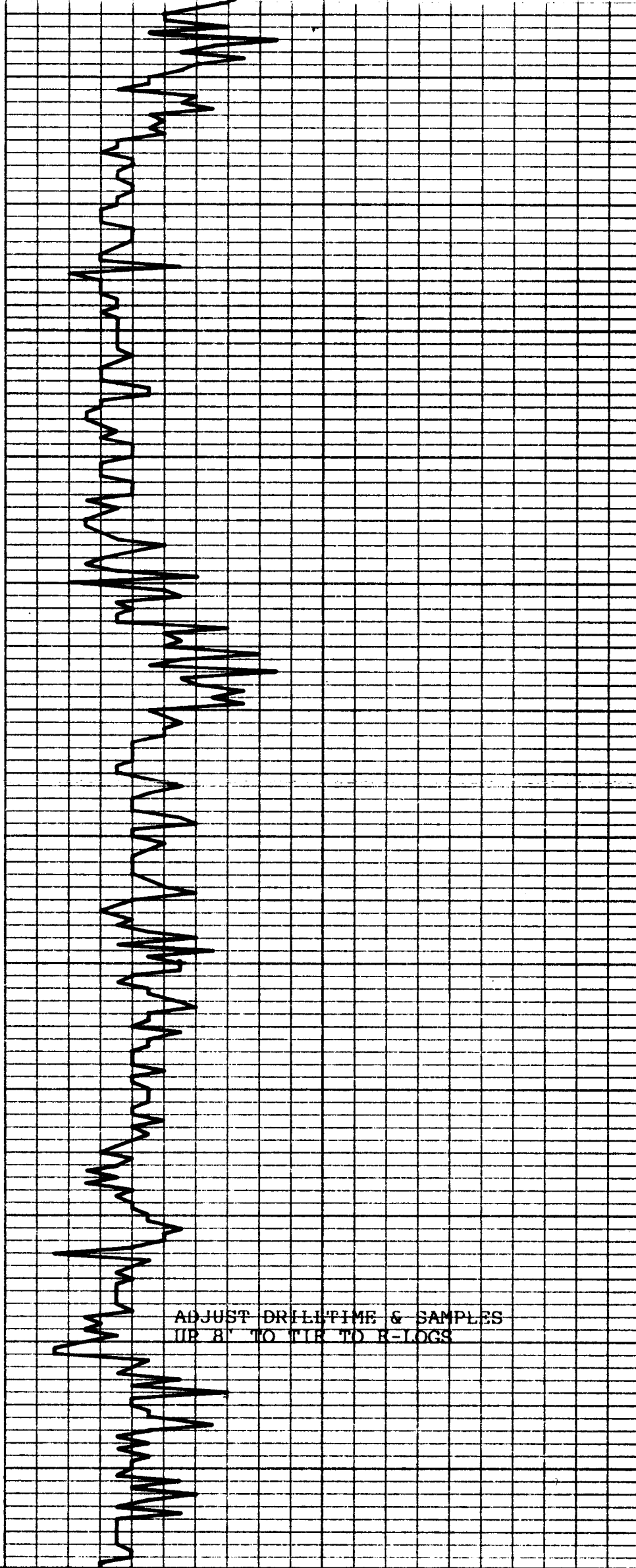
G-MUDLOGGER GAS SHOW

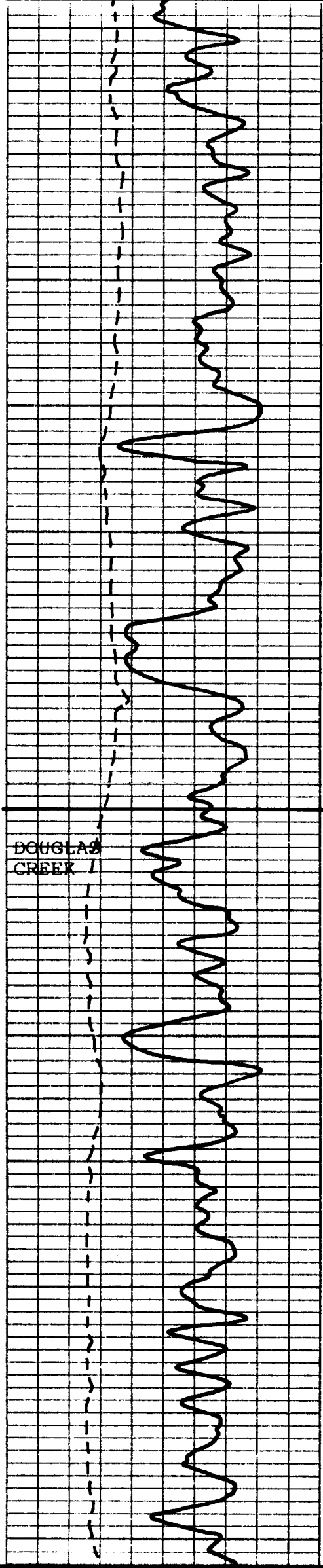
ADJUST DRILLTIME & SAMPLES
UP 6' TO TIE TO E-LOGS

x
i
x
i
x
i

G

G





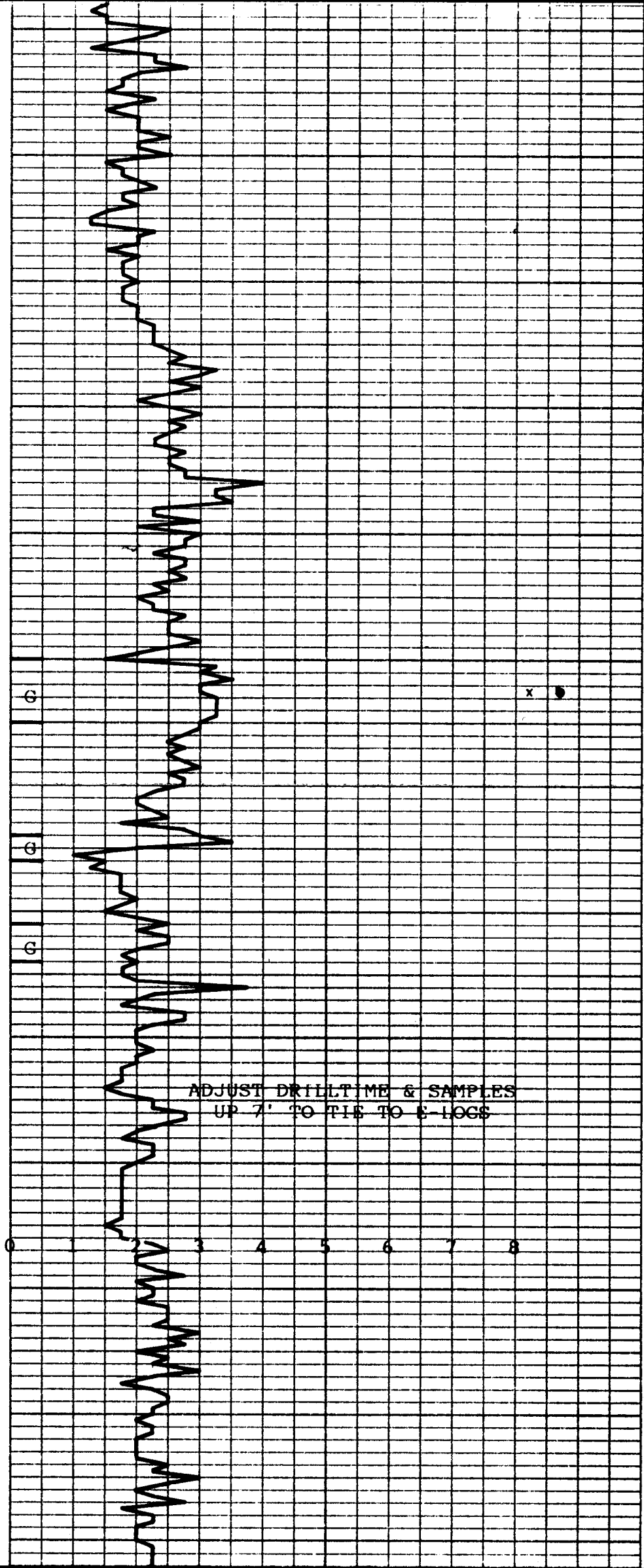
50

5200

50

5300

50



5400

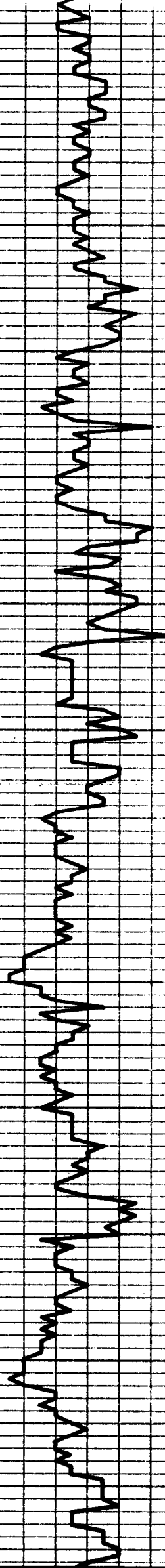
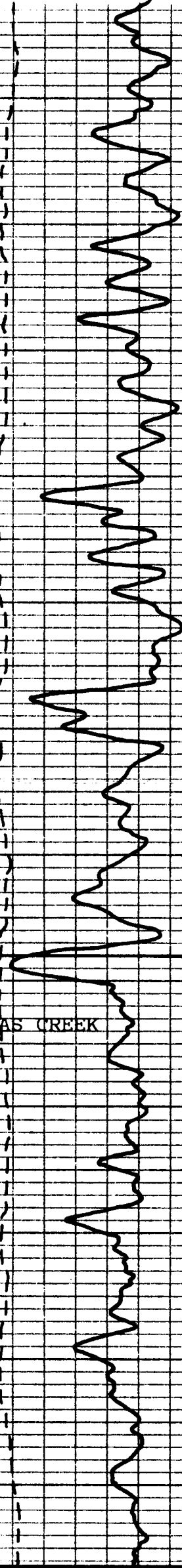
50

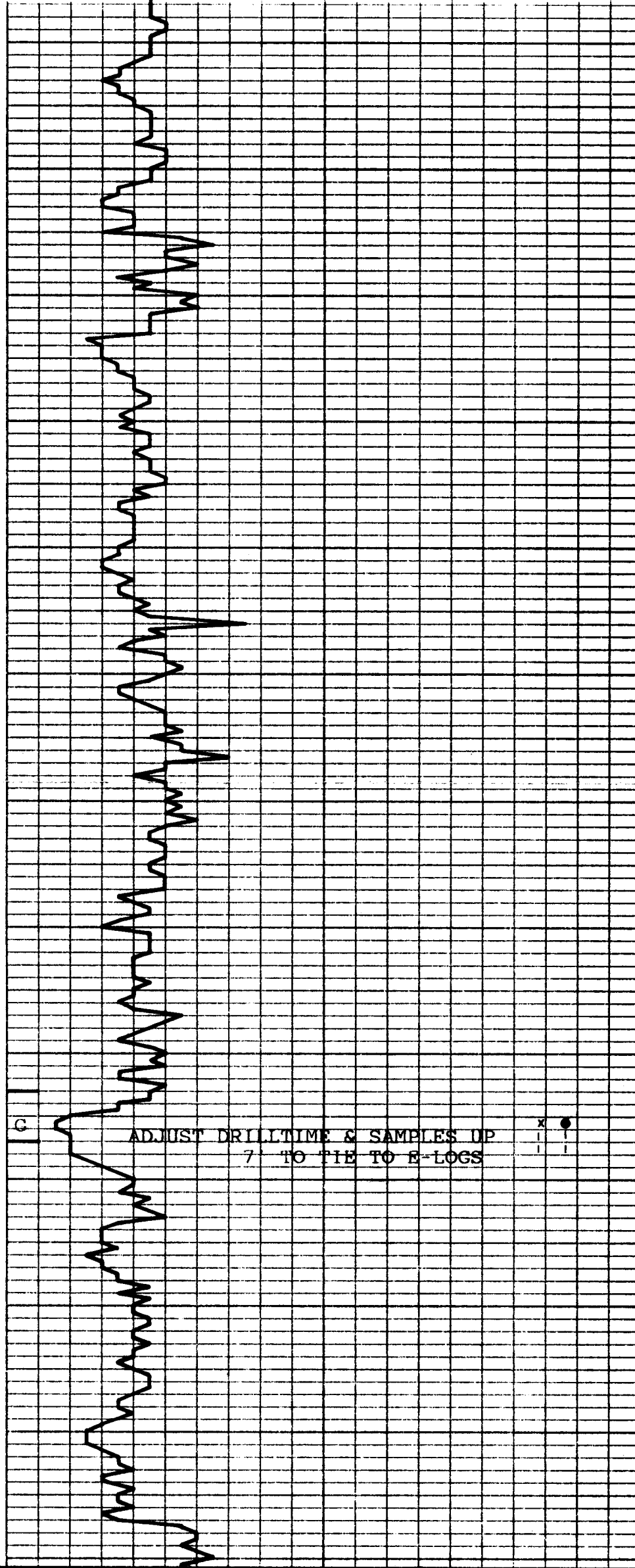
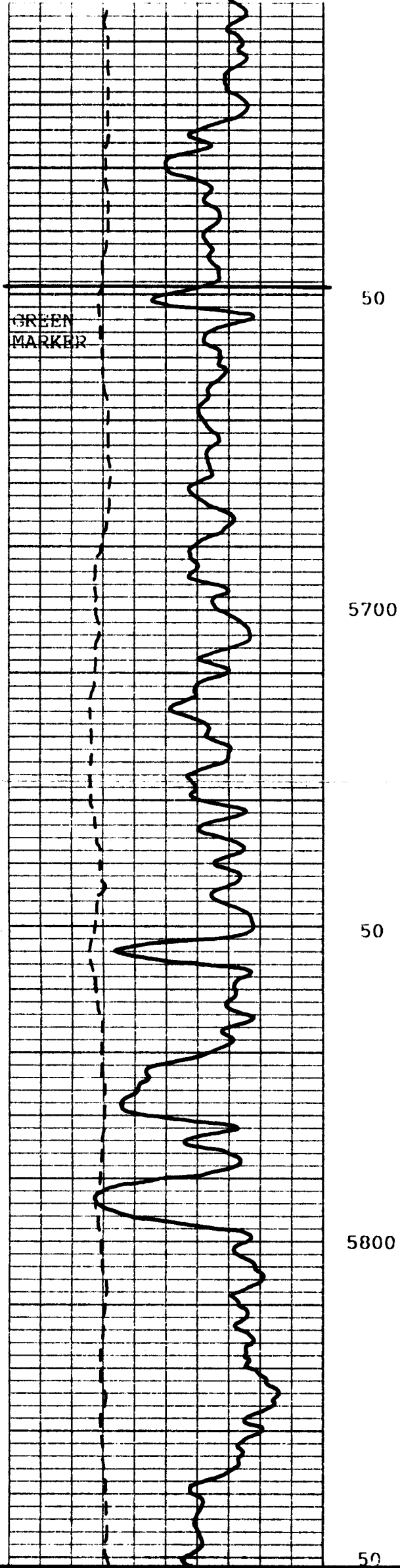
5500

50

5600

2ND
DOUGLAS CREEK



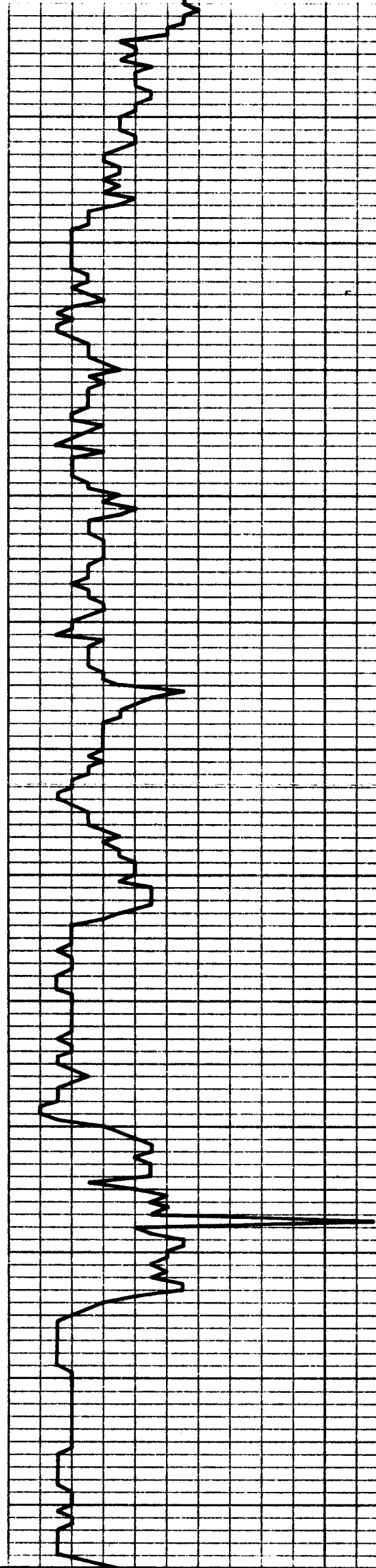
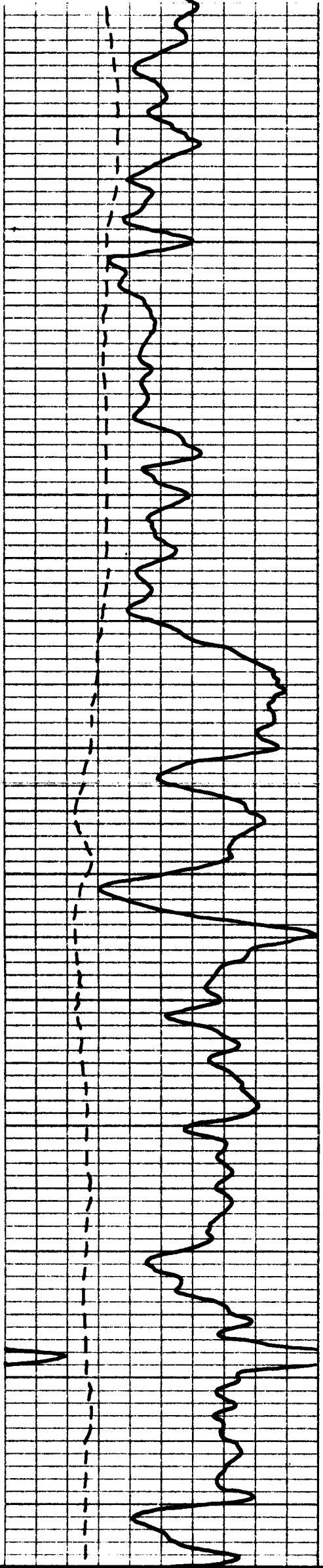


5900

50

6000

50



CARBONATE MARKER

50

5200

50

E-LOG TOPS 6300

0 GAMMA RAY 150

6 CALIPER 15

INTERPRETATIVE LITHOLOGIC & SAMPLE DESCRIPTIONS
BASED ON SAMPLES CAUGHT BY MUD LOGGERS
GENERALLY TIE WELL TO DRILL TIME LOG
SEE REPORT FOR DETAILED DESCRIPTION
OF SAMPLES, POROSITY & SHOWS.

G-MUDLOGGER GAS SHOW

ADJUST DRILLTIME & SAMPLES
7 TO TIE TO E-LOGS

RECORDING CHART

GRAPHIC CONTROLS CORPORATION

BUFFALO, NEW YORK

NO. TC1 3355

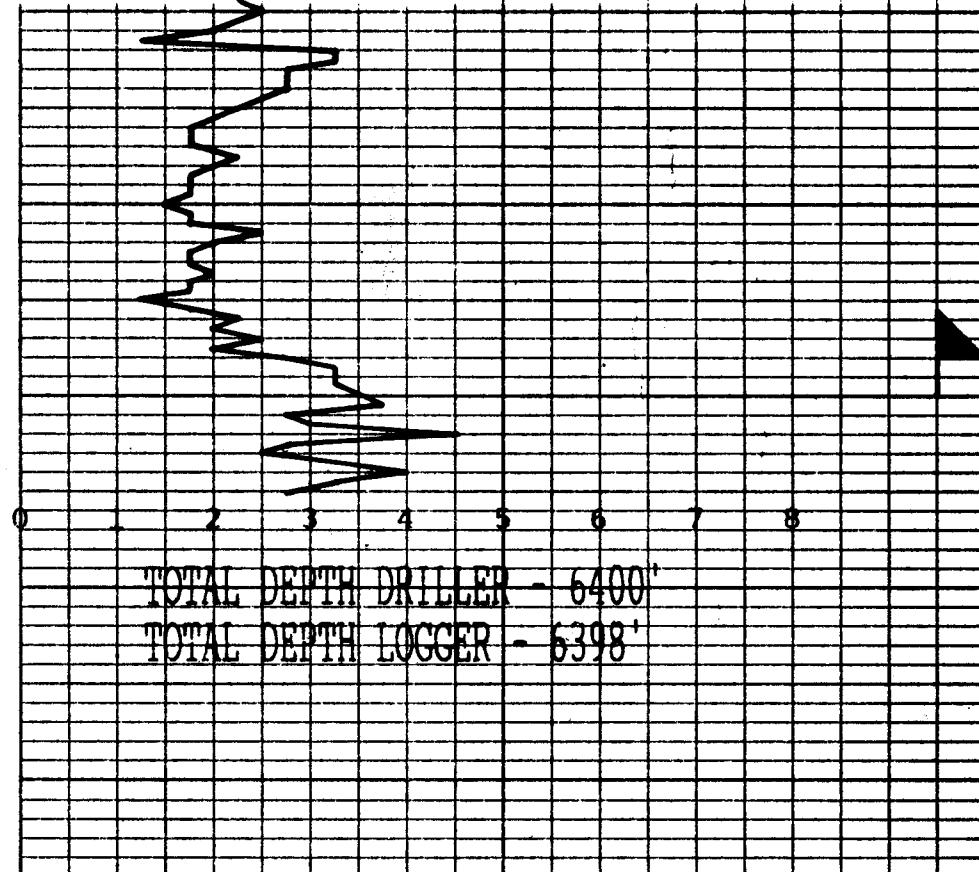
PRINTED IN U.S.A.

RECORDING CHART

GRAPHIC CONTROLS CORPORATION

50

6400



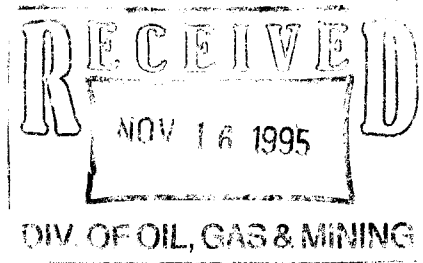


EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☐



November 14, 1995

**Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078**

CONFIDENTIAL

Gentlemen:

**RE: Balcron Federal #22-22-8-17Y
SE NW Section 22, T8S, R17E
Duchesne County, Utah
API #43-013-31538**

43-013-31538

This letter will serve as notice that first production on the subject well was on 11-9-95 at 2:00 p.m.

Please feel free to contact me if you need any additional information.

Sincerely,

Molly Conrad

**Molly Conrad
Operations Secretary**

/mc

**cc: State of Utah, Division of Oil, Gas, & Mining
Lou Ann Carlson
Bobbie Schuman**

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Balcron Monument Federal #22-22-8-17Y
 API number: 43-013-31538
2. Well Location: QQ SE NW Section 22 Township 8S Range 17E County Duchesne
3. Well operator: Equitable Resources Energy Company, Balcron Oil Division
 Address: 1601 Lewis Avenue
Billings, MT 59102 Phone: (406) 259-7860
4. Drilling contractor: Union Drilling
 Address: Drawer 40
Buckhannon, WV 26201 Phone: (304) 472-4610
5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
		No measurable water encountered	
		during drilling operations.	

6. Formation tops: Please see back page of completion report.
- _____
- _____
- _____
- _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 12-14-95

Name & Signature: Molly Conrad *Molly Conrad* Title: Operations Secretary

**EQUIPMENT INVENTORY
UTAH DIVISION OF OIL, GAS AND MINING
STATE OF UTAH**

Operator: EQUITABLE RESOURCE Lease: State: Federal: X Indian: Fee:

Well Name: BALCRON MON FED #22-22-8-17Y API Number: 43-013-31538

Section: 22 Township: 8S Range: 17E County: DUCHESNE Field: MON. BUTTE

Well Status: POW Well Type: Oil: YES Gas:

PRODUCTION LEASE EQUIPMENT: (NUMBER)

Boiler(s): Compressor(s): Separator(s): Dehydrator(s):

Shed(s): Line Heater(s): Heated Separator(s): VRU:

Heater Treater(s): (1)

PUMPS:

Triplex: Chemical: Centrifugal: (1)

LIFT METHOD:

Pumpjack: YES Hydraulic: Submersible: Flowing:

GAS EQUIPMENT: (NUMBER)

Purchase Meter: NO Sales Meter: NO

TANKS:

NUMBER

SIZE

Oil Storage Tank(s): YES 2-400 BBLS

Water Tank(s): YES 1-200 BBLS

Pover Water Tank: BBLS

Condensate Tank(s): BBLS

Propane Tank: (1)

Central Battery Location: (IF APPLICABLE)

Qtr/Qtr: Section: Township: Range:

REMARKS: CENTRIFUGAL IS HEAT TRACE PUMP. NO METERS OR SALES LINE. VENTING
SOME GAS. EQUIPMENT RUNNING ON CASING GAS WITH PROPANE BACKUP.

Inspector: DENNIS L. INGRAM Date: 12/27/95

EQUITABLE RESOURCES

DALCROW MON. FED. 02-22-8-174

SEC 22; T8S; R17E

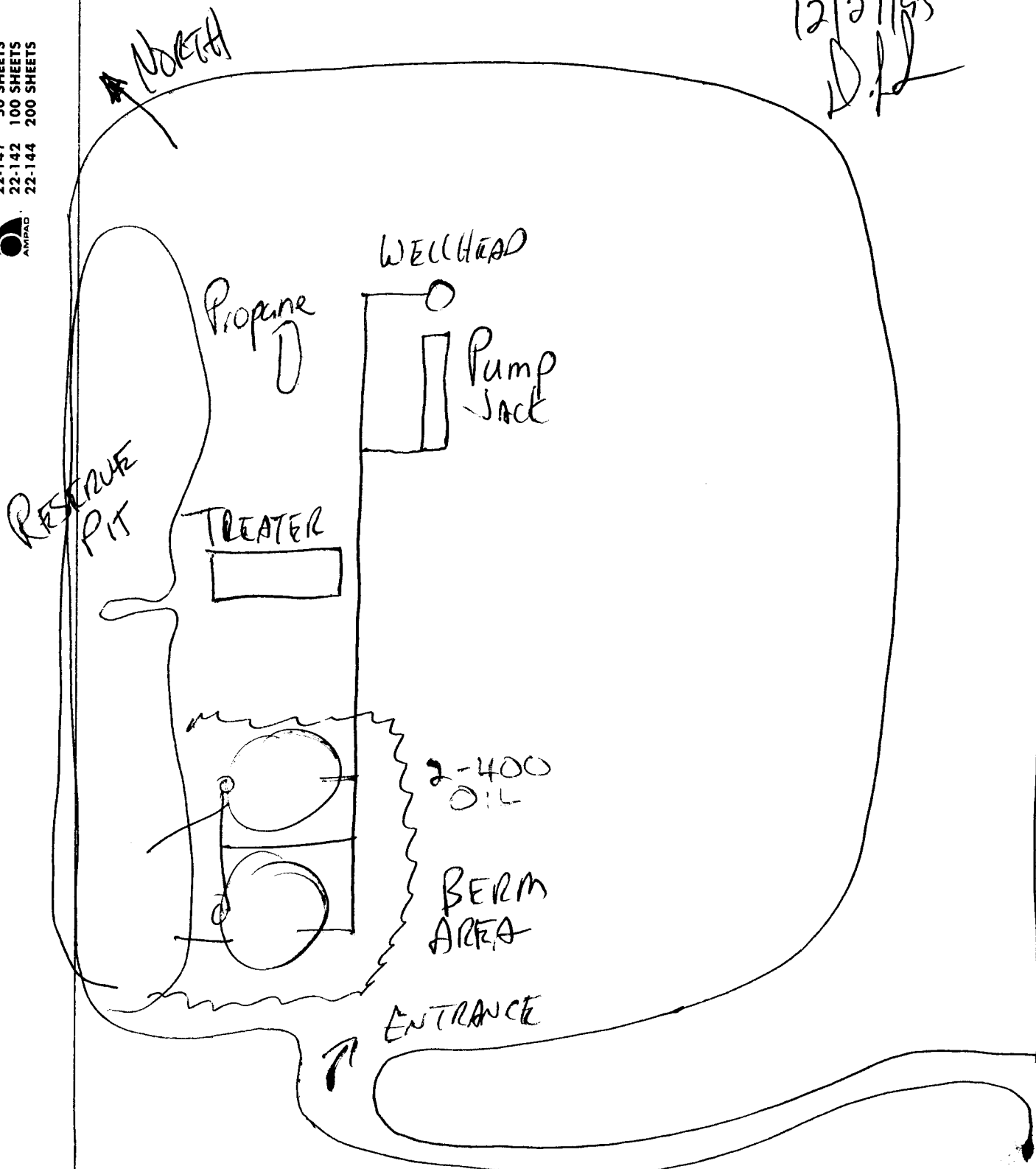
U-67845

POW

43-013-31538

12/27/95
D.J.

22-141 50 SHEETS
22-142 100 SHEETS
22-144 200 SHEETS



SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.

1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SURFACE: 1945' FNL & 2030' FWL
TD:

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. #22-22-8-17Y

9. API Well No.

43-013-31538

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut-Off
☐ Altering Casing ☐ Conversion to Injection
☒ Other ☐ Dispose Water

Onshore Order #7

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Any water produced by this well will be held in a produced water tank and trucked to a commercial disposal facility. The primary facility to be used in the R.N. Industries produced water disposal facility located in Section 9, T2S, R2W in Duchesne County, Utah. A copy of the State-issued permit for that facility is on file at the Vernal Bureau of Land Management. If for some reason the operator is unable to use this primary facility, the produced water will be trucked to another State-approved disposal facility. If applicable, Operator has received approved Right-of-Way access to this well location from the Bureau of Land Management.

14. I hereby certify that the foregoing is true and correct

Signed

Molly Conrad

Title Operations Secretary

Date

12-20-95

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY, BALCRON OIL DIVISION

3. Address and Telephone No.

1601 Lewis Avenue, Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SURFACE: 1945' FNL & 2030' FWL
TD:

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. 22-22-8-17Y

9. API Well No.

43-013-31538

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ Plugging Back ☐ Non-Routine Fracturing
☐ Casing Repair ☐ Water Shut-Off
☐ Altering Casing ☐ Conversion to Injection
☒ Other ☐ Dispose Water

Site Security Diagram

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Attached is the Site Security Diagram for this well.

14. I hereby certify that the foregoing is true and correct

Signed

Molly Conrad

Title Operations Secretary

Date 12-20-85

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Equitable Resources Energy Company
 Balcron Federal 22-22-8-17Y
 Production Facility Diagram

Balcron Federal 22-22-8-17Y
 SE NW Sec. 22, T8S, R17E
 Duchesne County, Utah
 Federal Lease #U-67845
 1945' FNL, 2030' FWL

VALVE DESCRIPTION		
	DURING PROD.	DURING SALES
VALVE #1	CLOSED	OPEN
VALVE #2	OPEN	CLOSED
VALVE #3	CLOSED	OPEN
VALVE #4	OPEN	CLOSED
VALVE #5	CLOSED	CLOSED
VALVE #6	CLOSED	CLOSED
VALVE #7	CLOSED	OPEN

DIKE

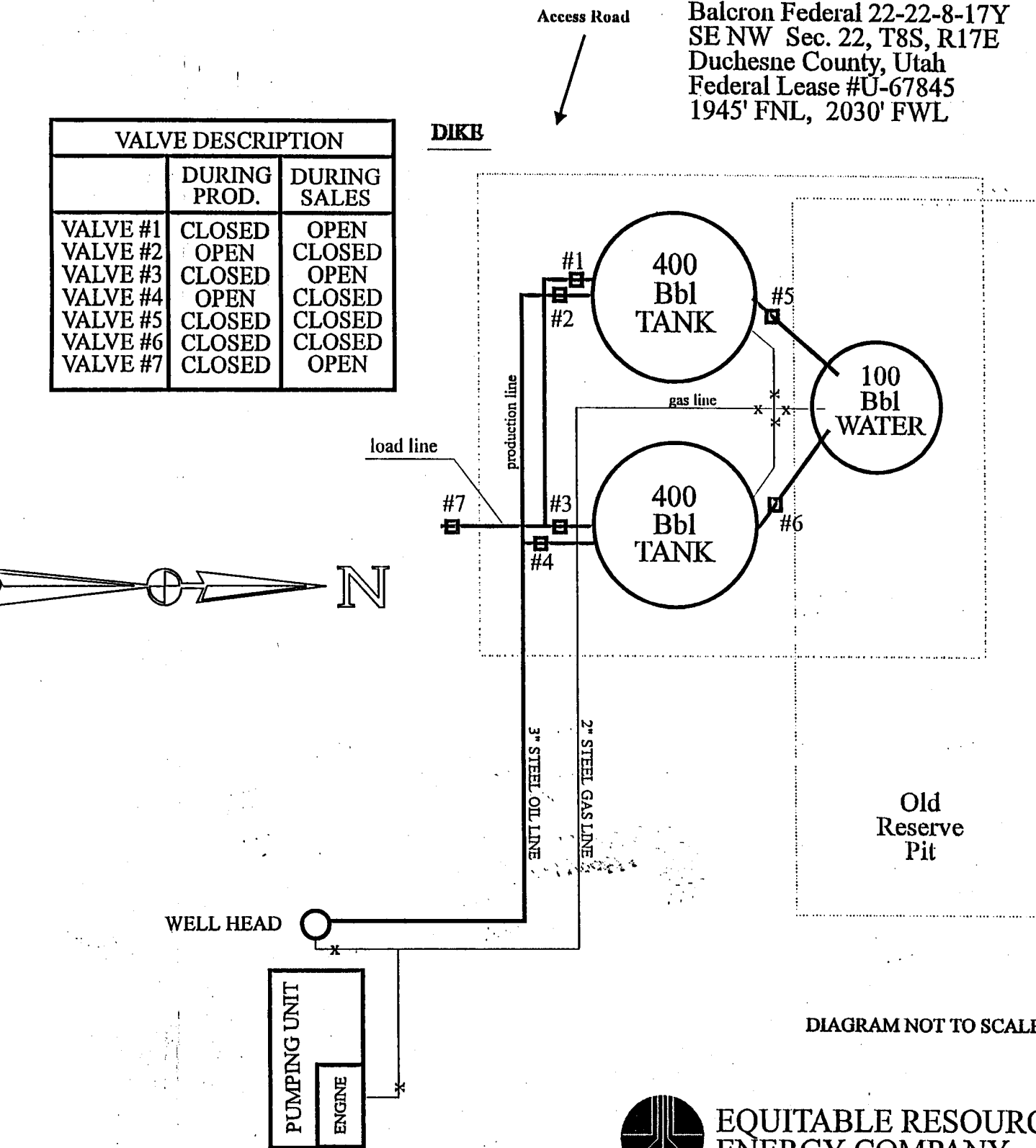


DIAGRAM NOT TO SCALE



**EQUITABLE RESOURCES
 ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
 Billings, MT 59104
 (406) 239-7860



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☐

December 22, 1995

2

**Ms. Pat Sutton
Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078**

Dear Pat:

**RE: Balcron Monument Federal #22-22-8-17Y
SE NW Section 22, T8S, R17E
Duchesne County, Utah**

43-013-31538

I spoke with you the other day regarding this well and requested that you withdraw the original Report of First Production. I understood that the pump was put on the well to pump test only, but it has been decided to leave our original Report of First Production as is and submit a Subsequent Report of Recompletion on the same zone when we finish with the work on the well. I apologize for any confusion this has caused and have enclosed the following:

**Completion Report.
Onshore Order #7
Site Security Diagram**

Please feel free to contact me if you need any further information.

Sincerely,

Molly Conrad
**Molly Conrad
Operations Secretary**

/mc

Enclosures

**cc: State of Utah, Division of Oil, Gas, & Mining: also enclosed is
our Report of Water Encountered
Bobbie Schuman
Lou Ann Carlson
Valeri Kaae**

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other _____

CONFIDENTIAL

2. NAME OF OPERATOR
Equitable Resources Energy Company, Balcon Oil Division

3. ADDRESS OF OPERATOR
1601 Lewis Avenue, Billings, MT 59102 (406) 259-7860

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1945' FNL & 2030' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. 43-013-31538
DATE ISSUED 8-28-95

5. LEASE DESIGNATION AND SERIAL NO.

U-67845

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

n/a

7. UNIT AGREEMENT NAME

n/a

8. FARM OR LEASE NAME

Balcon Monument Federal

9. WELL NO.

#22-22-8-17Y

10. FIELD AND POOL, OR WILDCAT

Monument Butte/Green River

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

SE NW Section 22, T8S, R17E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

15. DATE SPEUDED 10-16-95
16. DATE T.D. REACHED 10-24-95
17. DATE COMPL. (Ready to prod.) 11-9-95
18. ELEVATIONS (DF, RKB, RT, OR, ETC.)* 5156' GL
19. ELEV. CASINGHEAD n/a

20. TOTAL DEPTH, MD & TVD 6,400'
21. PLUG, BACK T.D., MD & TVD 6338' KB
22. IF MULTIPLE COMPL., HOW MANY* n/a
23. INTERVALS DRILLED BY SFC - TD
ROTARY TOOLS CABLE TOOLS
n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
5861' - 5950' Green River
25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLT/SDL/DSN CEL/GR 10-26-95

27. WAS WELL CORED
No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	~332' KB	12-1/4"	215 sxs Class "G" w/additives	None
5-1/2"	15.5#	6386' KB	7-7/8"	162 sxs Lite and tailed w/460 sxs 50/50 POZ w/additives	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
r/a					2-7/8"	6015.41' KB	n/a

31. PERFORATION RECORD (Interval, size and number)

5932' - 5950' (2 SPF)
5925' - 5929' (2 SPF)
5891' - 5920' (2 SPF)
5876' - 5888' (2SPF)
5861' - 5873' (2 SPF)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
n/a	

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
11-9-95		1-1/2" Insert Pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-17-95	24	n/a		51.6	N.M.	6	N.M.
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
n/a	n/a		51.6	N.M.	6	34	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

n/a

TEST WITNESSED BY

Dale Griffin

35. LIST OF ATTACHMENTS

n/a

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Maly Conrad

TITLE

Operations Secretary

DATE

12-14-95

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			No DST run	Green River Horsebench Sand 2nd Garden Gulch Yellow marker Douglas Creek 2nd Douglas Creek Green Marker Carbonate Marker	1885' 2791' 4429' 5063' 5234' 5506' 5649' 6100'	1885' 2791' 4429' 5063' 5234' 5506' 5649' 6100'

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 9 of 11

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

BALCRON OIL DIVISION
 EQUITABLE RESOURCES ENERGY
 1601 LEWIS AVE
 BILLINGS MT 59102-4126

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 3 / 96AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ BALCRON FEDERAL 42-19Y								
4304732616	11756	09S 18E 19	GRRV					
✓ BALCRON FEDERAL 12-20Y								
4304732617	11758	09S 18E 20	GRRV					
✓ BALCRON FEDERAL 32-19Y								
4304732615	11771	09S 18E 19	GRRV					
✓ BALCRON MONUMENT FEDERAL 24-25								
4304732669	11825	08S 17E 25	GRRV					
✓ BALCRON MONUMENT FEDERAL 34-25								
4304732670	11831	08S 17E 25	GRRV					
✓ BALCRON MONUMENT FEDERAL 22-22-8-17Y								
01331538	11842	08S 17E 22	GRRV					
✓ BALCRON MONUMENT FEDERAL 11-22-8-17Y								
4301331539	11845	08S 17E 22	GRRV					
✓ BALCRON MONUMENT FEDERAL 11-20-9-18Y								
4304732712	11846	09S 18E 20	GRRV					
✓ BALCRON MONUMENT FEDERAL 22-20-9-18Y								
4304732711	11852	09S 18E 20	GRRV					
✓ BALCRON MONUMENT FEDERAL 14-3-9-17Y								
4301331535	11857	09S 17E 3	GRRV					
✓ BALCRON MONUMENT FEDERAL 21-10-9-17Y								
4301331537	11859	09S 17E 10	GRRV					
✓ BALCRON MONUMENT STATE 21-2-9-17Y								
4304732703	11863	09S 17E 2	GRRV					
✓ BALCRON MONUMENT FEDERAL 12-10-9-17Y								
4301331536	11867	09S 17E 10	GRRV					
TOTALS								

COMMENTS:

hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

UTAH

Balcron Monument Fed. #14-12J	Monument Butte	SW SW	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521-A	43-013-31411	660' FSL, 660' FWL	Vernal	Jonah
Balcron Monument Fed. #14-15	Monument Butte	SW SW	15	9S	16E	Duchesne	UT	PND	Green River	U-017985	43-013-31381	772' FSL, 543' FWL	Vernal	
Balcron Monument Fed. #14-26	Monument Butte	SW SW	26	8S	16E	Duchesne	UT	PND	Green River	U-34346	43-013-31512	660' FSL, 660' FWL	Vernal	
Balcron Monument Fed. #14-3-9-17Y	Monument Butte	SW SW	3	9S	17E	Duchesne	UT	Oil	Green River	U-64381	43-013-31535	671' FSL, 792' FWL	Vernal	
Balcron Monument Fed. #14-4	Monument Butte	SW SW	4	9S	16E	Duchesne	UT	PND	Green River	U-73086	43-013-31430	719' FSL, 607' FWL	Vernal	
Balcron Monument Fed. #14-5	Monument Butte	SW SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020250	43-013-31385	556' FSL, 517' FWL	Vernal	Jonah
Balcron Monument Fed. #14-8	Monument Butte	SW SW	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31398	660' FSL, 660' FWL	Vernal	Beluga
Balcron Monument Fed. #21-10-9-17Y	Monument Butte	NE NW	10	9S	17E	Duchesne	UT	Oil	Green River	U-65210	43-013-31537	807' FNL, 2120' FWL	Vernal	
Balcron Monument Fed. #21-14J	Monument Butte	NE NW	14	9S	16E	Duchesne	UT	WIW	Green River	U-096547	43-013-31421	518' FNL, 1850' FWL	Vernal	Jonah
Balcron Monument Fed. #21-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	U-3563-A	43-013-31387	500' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #21-25	Undesignated	NE NW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32528	748' FNL, 1964' FWL	Vernal	
Balcron Monument Fed. #22-12J	Monument Butte	SE NW	12	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-15796	2018' FNL, 2099' FWL	Vernal	Jonah
Balcron Monument Fed. #22-14J	Monument Butte	SE NW	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31489	2134' FNL, 2198' FWL	Vernal	Jonah
Balcron Monument Fed. #22-17	Monument Butte	SE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31429	1800' FNL, 1980' FWL	Vernal	Beluga
Balcron Monument Fed. #22-20-9-18Y	Monument Butte	SE NW	20	9S	18E	Uintah	UT	Oil	Green River	U-64917	43-047-32711	1980' FNL, 1980' FWL	Vernal	
Balcron Monument Fed. #22-22-8-17Y	Monument Butte	SE NW	22	8S	17E	Duchesne	UT	Oil	Green River	U-67845	43-013-31538	1945' FNL, 2030' FWL	Vernal	
Balcron Monument Fed. #22-5	Monument Butte	SE NW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31384	1853' FNL, 1980' FWL	Vernal	Jonah
Balcron Monument Fed. #23-11	Monument Butte	NE SW	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31369	1787' FSL, 2147' FWL	Vernal	Jonah
Balcron Monument Fed. #23-15	Monument Butte	NE SW	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31373	1724' FSL, 2078' FWL	Vernal	Jonah
Balcron Monument Fed. #23-24-8-17		NE SW	24	8S	17E	Uintah	UT	PND	Green River				Vernal	
Balcron Monument Fed. #23-25	Undesignated	NE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32529	1927' FSL, 2139' FWL	Vernal	
Balcron Monument Fed. #23-5	Monument Butte	NE SW	5	9S	17E	Duchesne	UT	Oil	Green River	U-020252	43-013-31383	1816' FSL, 2057' FWL	Vernal	Jonah
Balcron Monument Fed. #24-12J	Monument Butte	SE SW	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521-A	43-013-31409	539' FSL, 1777' FWL	Vernal	Jonah
Balcron Monument Fed. #24-25	Undesignated	SE SW	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32669	653' FSL, 2028' FWL	Vernal	
Balcron Monument Fed. #24-5	Monument Butte	SE SW	5	9S	17E	Duchesne	UT	WIW	Green River	U-020252	43-013-31375	765' FSL, 2243' FWL	Vernal	Jonah
Balcron Monument Fed. #24-6	Monument Butte	SE SW	6	9S	17E	Duchesne	UT	WIW	Green River	U-020252-A	43-013-31363	504' FSL, 1613' FWL	Vernal	Jonah
Balcron Monument Fed. #31-17	Monument Butte	NE NW	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31428	660' FNL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #31-1J	Monument Butte	NW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31413	660' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #31-25	Undesignated	NW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32530	660' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #31-7J	Monument Butte	NW NE	7	9S	17E	Duchesne	UT	WIW	Green River	U-44426	43-013-31405	831' FNL, 1782' FEL	Vernal	Jonah
Balcron Monument Fed. #32-11	Monument Butte	SW NE	11	9S	16E	Duchesne	UT	WIW	Green River	U-096550	43-013-31386	2059' FNL, 1763' FEL	Vernal	Jonah
Balcron Monument Fed. #32-12J	Monument Butte	SW NE	12	9S	16E	Duchesne	UT	WIW	Green River	U-035521	43-013-31419	1805' FNL, 2139' FEL	Vernal	Jonah
Balcron Monument Fed. #32-14J	Monument Butte	SW NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096547	43-013-31490	1980' FNL, 1980' FEL	Vernal	Jonah
Balcron Monument Fed. #32-15	Monument Butte	SW NE	15	9S	16E	Duchesne	UT	WIW	Green River	U-017985	43-013-31368	1868' FNL, 1993' FEL	Vernal	Jonah
Balcron Monument Fed. #32-17	Monument Butte	SW NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31465	1880' FNL, 1980' FEL	Vernal	Beluga

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1	LEB 7-SJ
2	DEB 58-FILE
3	VLD GIL
4	RJE
5	IEC
6	FILM

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☒ Designation of Operator ~~Operator Name Change Only~~

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
phone	<u>(406) 259-7860</u>	phone <u>(406) 259-7860</u>
account no.	<u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>D13-31538</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). Rec'd 4-4-96 & 4-8-96
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- Yes 6. Cardex file has been updated for each well listed above. (4-11-96)
- Yes 7. Well file labels have been updated for each well listed above. (4-11-96)
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

5578314 (\$80,000) Schwa Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Bohner - Trust Lands

FILMING

- Yes 1. All attachments to this form have been microfilmed. Date: May 20 1996.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/6/04/0 BLM/BIA "Formal approval not necessary"



**EQUITABLE RESOURCES
ENERGY COMPANY**

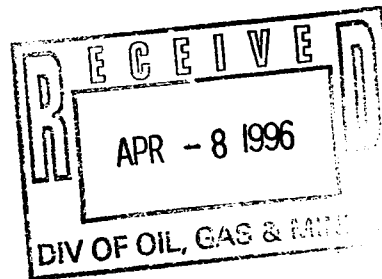
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER: <u>See attached listing</u>	5. Lease Designation and Serial Number: <u>See attached listing</u>
2. Name of Operator: <u>Equitable Resources Energy Company, Balcron Oil Division</u>	6. If Indian, Allottee or Tribe Name: <u>n/a</u>
3. Address and Telephone Number: <u>1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860</u>	7. Unit Agreement Name: <u>See attached listing</u>
4. Location of Well Footages: <u>See attached listing</u>	8. Well Name and Number: <u>See attached listing</u>
OQ, Sec., T., R., M.:	9. API Well Number: <u>See attached listing</u>
	10. Field and Pool, or Wildcat: <u>See attached listing</u>
	County: <u>See attached list</u> State: <u>UTAH</u>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	
<p style="text-align: center;">NOTICE OF INTENT (Submit in Duplicate)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____ </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div> <p>Approximate date work will start _____</p>	<p style="text-align: center;">SUBSEQUENT REPORT (Submit Original Form Only)</p> <div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Operator name change</u> </div> <div style="width: 48%;"> <input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off </div> </div> <p>Date of work completion _____</p> <p style="font-size: small;">Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.</p> <p style="font-size: x-small;">* Must be accompanied by a cement verification report.</p>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13. Name & Signature: Bobbie Schuman Title: Regulatory and Environmental Specialist Date: March 27, 1996
Bobbie Schuman

(This space for State use only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801

Page 8 of 14

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

C/O CRAZY MTN O&G SVS'S
 EQUITABLE RESOURCES ENERGY
 PO BOX 577
 LAUREL MT 59044

UTAH ACCOUNT NUMBER: N9890REPORT PERIOD (MONTH/YEAR): 9 / 97AMENDED REPORT ☐ (Highlight Changes)

Well Name					Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location						OIL(BBL)	GAS(MCF)	WATER(BBL)
BALCRON MONUMENT STATE 12-2										
4301331481	11745	09S 17E 2			GRRV			ML45555		
BALCRON FEDERAL 31-19Y										
4304732614	11751	09S 18E 19			GRRV			465635		
BALCRON FEDERAL 42-19Y										
4304732616	11756	09S 18E 19			GRRV			"		
BALCRON FEDERAL 12-20Y										
4304732617	11758	09S 18E 20			GRRV			464917		
BALCRON FEDERAL 32-19Y										
4304732615	11771	09S 18E 19			GRRV			465635		
BALCRON MONUMENT FEDERAL 22-22-8-17Y										
4301331538	11842	08S 17E 22			GRRV			467845		
BALCRON MONUMENT FEDERAL 11-22-8-17Y										
4301331539	11845	08S 17E 22			GRRV			466191		
BALCRON MONUMENT FEDERAL 11-20-9-18Y										
4304732712	11846	09S 18E 20			GRRV			464917		
BALCRON MONUMENT FEDERAL 22-20-9-18Y										
4304732711	11852	09S 18E 20			GRRV			"		
BALCRON MONUMENT FEDERAL 14-3-9-17Y										
4301331535	11857	09S 17E 3			GRRV			464381		
BALCRON MONUMENT FEDERAL 21-10-9-17Y										
4301331537	11859	09S 17E 10			GRRV			465210		
BALCRON MONUMENT STATE 21-2-9-17Y										
4304732703	11863	09S 17E 2			GRRV			ML45555		
BALCRON MONUMENT FEDERAL 12-10-9-17Y										
4301331536	11867	09S 17E 10			GRRV			465210		
TOTALS										

COMMENTS: _____

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____



RECEIVED

OCT 10 1997

October 7, 1997

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078



RE: Change of Operator
Duchesne & Vernal Counties, Utah


Dear Mr. Forsman:

Please find attached Sundry Notices and Reports on Wells for Change of Operator, previously operated by Equitable Resources Energy Company for approval.

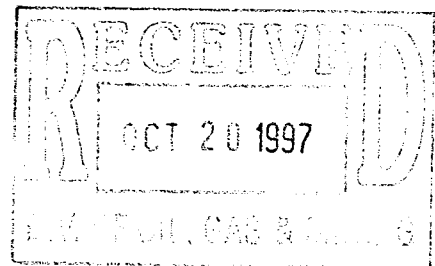
If you should have questions regarding this matter, please do not hesitate to contact me at the number listed below.

Sincerely,

INLAND PRODUCTION COMPANY


Patsy Barreau

/pb
encls.



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Inland Production Company

3. Address and Telephone No.

475 - 17th Street, Suite 1500, Denver, CO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See Attached Exhibit

5. Lease Designation and Serial No.

See Attached

6. If Indian, Allottee or Tribe Name

See Attached

7. If Unit or CA, Agreement Designation

See Attached

8. Well Name and No.

See Attached

9. API Well No.

See Attached

10. Field and Pool, or Exploratory Area

See Attached

11. County or Parish, State

See Attached

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was:

Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under BLM Bond No. UT0056 issued by The Hartford Insurance Group.

RECEIVED

OCT 10 1997

14. I hereby certify that the foregoing is true and correct

Signed

CHRIS A. POTTER, ATTORNEY-IN-FACT

Title

Date

9/30/97

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:



United States Department of the Interior

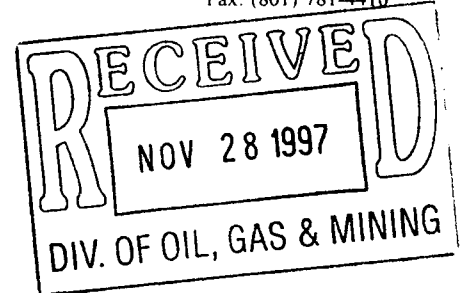
BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078-2799

Phone: (801) 781-4400
Fax: (801) 781-4410

IN REPLY REFER TO:
3162.3
UT08438

November 20, 1997



Inland Production Company
475 17th Street, Suite 1500
Denver, CO 80202

Re: Well No. Mon. Fed. 22-22-8-17Y
SENW, Sec. 22, T9S, R17E
Lease U-76240
Duchesne County, Utah

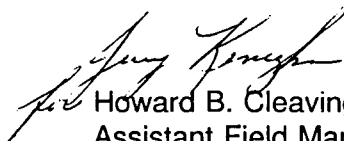
43-013-31538

Dear Sir:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Inland Production Company is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT0056, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,


Howard B. Cleavinger II
Assistant Field Manager,
Minerals Resources

cc: Division of Oil, Gas & Mining
Equitable Resources Energy Company

INLAND

Inland Resources Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGEEMENT
AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
✓ COYOTE BASIN #1-12	NESE 128S 24E	UINTAH	UT	COYOTE BASIN	43-047-20221-00	UTU58226	UTU72085A
COYOTE BASIN #32-6	6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-31835-00	UTU020309D	UTU72085A
COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
✓ COYOTE BASIN FED. #13-7	NWSW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32255-00	UTU41377	UTU72085A
✓ COYOTE BASIN FEDERAL #12-13	SWNW 138S 24E	UINTA	UT	COYOTE BASIN	43-047-31266-00		UTU72085A
✓ COYOTE BASIN FEDERAL #13-5	NWSW 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32261-00	UTU063597A	UTU72085A
✓ COYOTE BASIN FEDERAL #13-13	NWSW 138S 24E	UINTAH	UT	COYOTE BASIN	43-047-32196-00	UTU67208	UTU72085A
✓ COYOTE BASIN FEDERAL #21-7	NENW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-31673-00	UTU41377	UTU72085A
✓ COYOTE BASIN FEDERAL #22-7	SENE 7 9S 25E	UINTAH	UT	COYOTE BASIN	43-047-32256-00	UTU41377	UTU72085A
✓ COYOTE BASIN FEDERAL #33-5	NWSE 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32257-00	UTU063597A	UTU72085A
✓ COYOTE BASIN FEDERAL #43-12	NESE 128S 24E	UINTA	UT	COYOTE BASIN	43-047-30943-00	UTU038797	UTU72085A
✓ COYOTE FEDERAL #12-5	SWNW 5 8S 25E	UNITAH	UT	COYOTE BASIN	43-047-32253-00	UTU063597A	UTU72085A
✓ COYOTE FEDERAL #21-5	NENW 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32260-00	UTU063597A	UTU72085A
✓ COYOTE FEDERAL #31-7	NWNE 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-32254-00	UTU020309D	UTU72085A
EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
✓ EAST RED WASH FED. #1-12	SWNE 128S 24E	UINTA	UT	COYOTE BASIN	43-047-20207-00	UTU038797	UTU72085A
EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
✓ EAST RED WASH FEDERA #1-13	NENW 138S 24E	UINTA	UT	COYOTE BASIN	43-047-20222-00	UTU018073	UTU72085A
✓ EAST RED WASH FEDERA #1-5	SENE 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20174-00	UTU063597A	UTU72085A
✓ EAST RED WASH FEDERA #1-6	NESE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20208-00	UTU017439B	UTU72085A
✓ FEDERAL #14-4	SWSW 4 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-15678-00	UTU41376	UTU72085A
✓ TXO FEDERAL #2	SENE 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-31567-00	UTU41376	UTU72085A
✓ TXO FEDERAL #1	SWNE 5 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-31406-00	UTU41376	UTU72085A
✓ BALCRON FEDERAL #12-20Y	SWNW 209S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32617-00	UTU64917	
✓ BALCRON FEDERAL #31-19Y	NWNE 199S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32614-00	UTU65635	
✓ BALCRON FEDERAL #32-19Y	SW NE 199S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32615-00	UTU65635	
✓ BALCRON FEDERAL #42-19Y	SENE 199S 18E	UINTAH	UT	EIGHT MILE FLAT (8)	43-047-32616-00	UTU65635	
✓ BALCRON FEDERAL #31-5Y	NWNE 5 9S 18E	UINTAH	UT	EIGHT MILE FLAT (U)	43-047-32503-00	UTU65970	
✓ BALCRON FEDERAL #11-22Y	NW NW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31539-00	UTU66191	
✓ BALCRON FEDERAL #12-22Y	SWNW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31476-00	UTU66191	
✓ BALCRON FEDERAL #22-22Y	SE NW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31538-00	UTU76240	
✓ FEDERAL #1-26	NENW 268S 17E	UINTAH	UT	MONUMENT BUTTE (22)	43-047-31953-00	UTU76240	
✓ MONUMENT FEDERAL #13-22Y	NW SW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31583-00	UTU76240	
✓ MONUMENT FEDERAL #23-22-8-17	NESW 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31702-00	UTU76240	
✓ MONUMENT FEDERAL #31-22	NW NE 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31587-00	UTU76240	
✓ MONUMENT FEDERAL #32-22-8-17	SW NE 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31586-00	UTU76240	
✓ MONUMENT FEDERAL #33-22-8-17	NWSE 228S 17E	DUCHESNE	UT	MONUMENT BUTTE (22)	43-013-31588-00	UTU76240	
✓ BALCRON FEDERAL #11-20Y	NW NW 209S 18E	UINTAH	UT	MONUMENT BUTTE (8)	43-047-32712-00	UTU64917	

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

1-DEC	6-DEC
2-GLH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

☒ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☐ Operator Name Change OnlyThe operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES COMPANY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&G</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

Name: **SEE ATTACHED**	API: <u>43-013-31538</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- lec 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Rec'd 12-10-97)*
- lec 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 10-20-97)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) _____ If yes, show company file number: _____
- lec 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(12-2-97)*
- lec 6. Cardex file has been updated for each well listed above. *(12-3-97)*
- lec 7. Well file labels have been updated for each well listed above. *(12-3-97)*
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(12-3-97)*
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Jec 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A Jec 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no) , as of today's date . If yes, division response was made to this request by letter dated .

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A DTJ 1. Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A ^{12/5/97} 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19 , of their responsibility to notify all interest owners of this change.

FILMING

- VB 1. All attachments to this form have been microfilmed. Today's date: 1.7.98.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

971202 Blm/Vernal Aprv. Nov. 10, 13 & 20, 1997.



EQUITABLE RESOURCES ENERGY COMPANY

WESTERN REGION

(406) 259-7860 Telephone

(406) 245-1361 Fax

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: Lisha
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE: Here is the letter you requested.
Call if you need anything
further.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1945 FNL 2030 FWL SE/NW Section 22, T08S R17E

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

BALCRON MONUMENT FEDERAL 22-22Y

9. API Well No.

43-013-31538

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

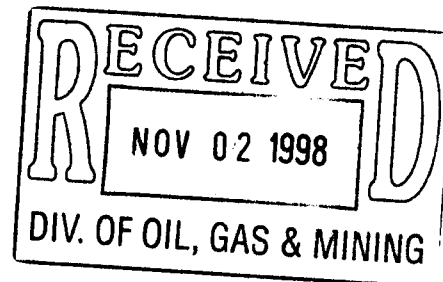
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **Site Security**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find the site security diagram for the above referenced well.



14. I hereby certify that the foregoing is true and correct

Signed

Shirley E. Knight

Title

Manager, Regulatory Compliance

Date

10/30/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Inland Production Company Site Facility Diagram

Federal 22-22Y

SE/NW Sec. 22, T8S, 17E

Duchesne County

May 12, 1998

Site Security Plan is held at the Roosevelt Office, Roosevelt Utah

Production Phase:

- 1) Valves 1 and 3 sealed closed
- 2) Valves 2 and 4 sealed open

Sales Phase:

- 1) Valves 1, 2, 4, 5 sealed closed
- 2) Valves 1 open

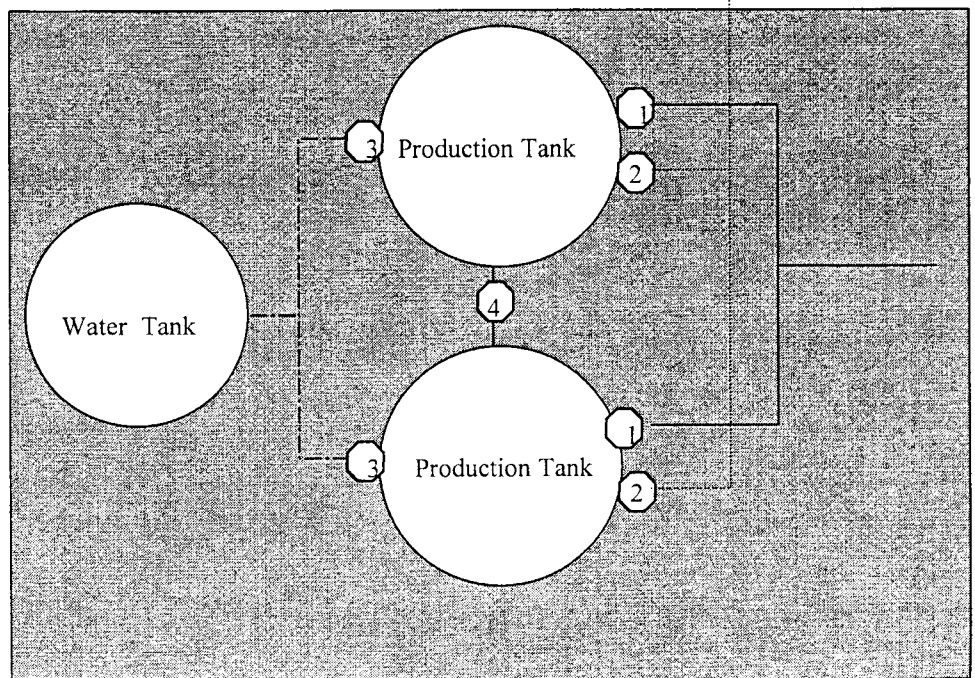
Draining Phase:

- 1) Valve 3 open

Diked Section

Gas Sales Meter

Pumping Unit



Emulsion Line
Load Line	————
Water Line	- - - - -
Gas Sales	- . - . - . - . - .

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

BALCRON MONUMENT FEDERAL 22-22

9. API Well No.

43-013-31538

10. Field and Pool, or Exploratory Area

TREATY BOUNDARY

11. County or Parish, State

DUCHESNE COUNTY, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1945 FNL 2030 FWL SE/NW Section 22, T08S R17E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

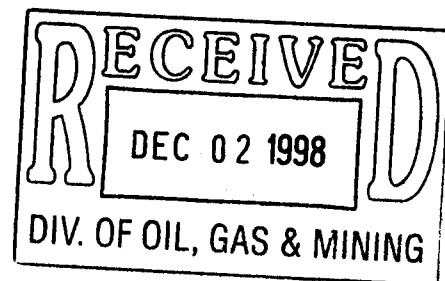
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Lease Number Change

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Please be advised that the lease number for the above referenced well should be changed to UTU-77233.



14. I hereby certify that the foregoing is true and correct

Signed

Lebbie E. Knight

Title

Manager, Regulatory Compliance

Date

11/30/98

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

OPERATOR INLAND PRODUCTION COMPANY

OPERATOR ACCT. NO. N 5160

ADDRESS _____

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
D	11917	12299	43-013031587	MONUMENT FED 31-22-8-17	NWNE	22	8S	17E	DUCHESNE		12-1-98
WELL 1 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98; ENTITY CHANGED.											
D	11845	12299	43-013-31539	MONUMENT FED 11-22Y-8-17	NWNW	22	8S	17E	DUCHESNE		12-1-98
WELL 2 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98; ENTITY CHANGED.											
D	11717	12299	43-013-31476	MONUMENT FED 12-22Y-8-17	SWNW	22	8S	17E	DUCHESNE		12-1-98
WELL 3 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98; ENTITY CHANGED.											
D	11842	12299	43-013-31538	MONUMENT FED 22-22Y-8-17	SENW	22	8S	17E	DUCHESNE		12-1-98
WELL 4 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98; ENTITY CHANGED.											
D	11959	12299	43-013-31586	MONUMENT FED 32-22-8-17	SWNE	22	8S	17E	DUCHESNE		12-1-98
WELL 5 COMMENTS: 990216 CANVASBACK UNIT/GRRV EFFECTIVE 12-1-98; ENTITY CHANGED.											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

DOGM (KDR)

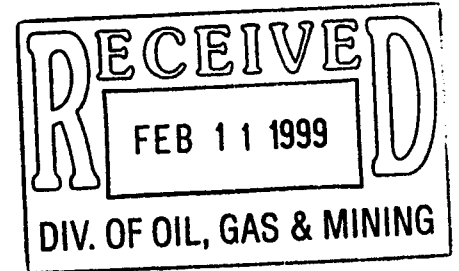
Signature _____

2-16-99

Title _____

Date _____

Phone No. () _____



February 10, 1999

State of Utah
Division of Oil, Gas & Mining
Attn: Kristen Risbeck
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Dear Kristen:

Thank you so much for your assistance yesterday with the Canvasback Unit. As we unitize areas and get the final approval, we have always in the past selected one well within the unit and assigned that entity number to the unit.

The entity number that you and I selected yesterday was 12299. This had been the entity number for the Pariette Draw #8-22 and now it will be the entity number for the whole Canvasback Unit. This entity number change will be effective December 1, 1998.

I am enclosing a listing of all the wells currently in the Canvasback Unit. I have listed the name of the well with the old entity number and the A.P.I. number. In the future any wells drilled within this unit will be assigned the entity number of 12299.

If you have any questions or need further information, please don't hesitate to call me.

Sincerely,



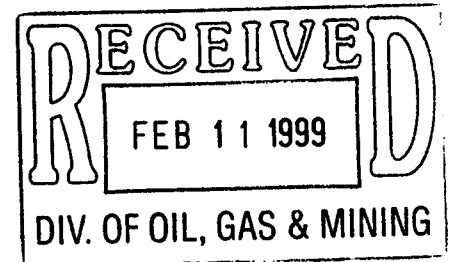
Kebbie S. Jones
District Administrator

Enclosures

/kj

CANVASBACK UNIT - ENTITY #12299

FIELD	WELL NAME	OLD ENTITY #	API NUMBER	
CANVASBACK UNIT	MONUMENT FEDERAL #31-22-8-17	11917	43-013-31587	NWNE S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #11-22Y-8-17	11845	43-013-31539	NWNW S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #12-22Y-8-17	11717	43-013-31476	SWNW S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #22-22Y-8-17	11842	43-013-31538	SENW S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #32-22-8-17	11959	43-013-31586	SWNE S22T8SR17
CANVASBACK UNIT	PARIETTE DRAW FEDERAL #8-22-8-17	12299	43-013-31826	SENE S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #33-22-8-17	12024	43-013-31588	NWSE S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #23-22-8-17	12031	43-013-31702	NESW S22T8SR17
CANVASBACK UNIT	MONUMENT FEDERAL #13-22Y-8-17	11942	43-013-31583	NWSW S22T8SR17



(Jun ay

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED

Budget Bureau No. 1004-0135

Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

Rt. 3 Box 3630, Myton Utah, 84052 435-646-3721

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1945 FNL 2030 FWL SE/NW Section 22, T8S R17E

5. Lease Designation and Serial No.

U-67845

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

CANVASBACK UNIT

8. Well Name and No.

BALCRON MON FED 22-22-8-17Y

9. API Well No.

43-013-31538

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Subject well had recompletion procedures initiated in the Green River formation on 4/8/03. Existing production equipment was pulled from well. A bit & scraper was run in well. One new Green River interval was perforated and hydraulically fracture treated as follows: CP2 sds @ 6213'-6218' (4JSPF); CP1 sds @ 6150'-6162' (4JSPF); and CP.5 sands @ 6110'-6118' (4JSPF) fraced down 2 7/8 N-80 tbg w/75,216# 20/40 sand in 591 bbls Viking I-25 fluid. Frac was flowed back through chokes. Sand was cleaned from wellbore. New intervals were swab tested for sand cleanup. BHA & production tbg were run and anchored in well w/tubing anchor @ 6090', pump seating nipple @ 6190', and end of tubing string @ 6217'. A repaired 1 1/2" bore rod pump was run in well on sucker rods. Well returned to production via rod pump on 4/14/03.

14. I hereby certify that the foregoing is true and correct

Signed

Martha Hall
Martha Hall

Title

Office Manager

Date

4/15/2003

CC: UTAH DOGM

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

RECEIVED**APR 23 2003**



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office

From: Acting Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004

FROM: (Old Operator):
 N5160-Inland Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

TO: (New Operator):
 N2695-Newfield Production Company
 Route 3 Box 3630
 Myton, UT 84052
 Phone: 1-(435) 646-3721

CA No.

Unit:

CANVASBACK (GREEN RIVER)

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
BALCRON FED 12-22Y	22	080S	170E	4301331476	12299	Federal	WI	A
BALCRON MON FED 22-22-8-17Y	22	080S	170E	4301331538	12299	Federal	OW	P
BALCRON MON FED 11-22-8-17Y	22	080S	170E	4301331539	12299	Federal	OW	P
MON FED 13-22-8-17Y	22	080S	170E	4301331583	12299	Federal	OW	S
MON FED 32-22-8-17	22	080S	170E	4301331586	12299	Federal	WI	A
MON FED 31-22-8-17	22	080S	170E	4301331587	12299	Federal	OW	P
MON FED 33-22-8-17	22	080S	170E	4301331588	12299	Federal	OW	P
MON FED 23-22-8-17Y	22	080S	170E	4301331702	12299	Federal	WI	A
PARIETTE DRAW 8-22	22	080S	170E	4301331826	12299	Federal	OW	P
CANVASBACK 13A-22-8-17	22	080S	170E	4301332238	12299	Federal	OW	P
CANVASBACK 14-22-8-17	22	080S	170E	4301332239	12299	Federal	OW	P
CANVASBACK 15-22-8-17	22	080S	170E	4301332240	12299	Federal	OW	P
CANVASBACK 16-22-8-17	22	080S	170E	4301332241	12299	Federal	OW	P
FEDERAL 13-23-8-17	23	080S	170E	4301332340	12299	Federal	OW	P
CANVASBACK 12-23-8-17	23	080S	170E	4301332341	12299	Federal	OW	P
CANVASBACK 4-23-8-17	23	080S	170E	4301332342	12299	Federal	OW	P
CANVASBACK 5-23-8-17	23	080S	170E	4301332343	12299	Federal	OW	P
FEDERAL 14-23-8-17	23	080S	170E	4304734556	12299	Federal	OW	P
CANVASBACK 15-23-8-17	23	080S	170E	4304734557	12299	Federal	D	PA
CANVASBACK 3-23-8-17	23	080S	170E	4304734567	12299	Federal	OW	P

K

K

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 2/28/2005
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129

Phone 800-227-8917

<http://www.epa.gov/region08>

JAN 09 2012

Ref: 8P-W-GW

CERTIFIED MAIL

RETURN RECEIPT REQUESTED

Mr. Eric Sundberg
Regulatory Analyst
Newfield Production Company
1001 Seventeenth Street – Suite 2000
Denver, Colorado 80202

RECEIVED

JAN 19 2012

DIV. OF OIL, GAS & MINING

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Re: Underground Injection Control (UIC)
Additional Well: Humpback Area Permit
EPA UIC Permit UT20855-09365
Well: ~~Humpback~~ 22-22-8-17Y
SENW Sec. 22 T8S-R17E
Duchesne County, Utah
API No.: 43-013-31538

Balcrone Mon Fed

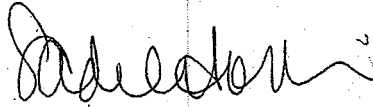
Dear Mr. Sundberg:

The U.S. Environmental Protection Agency Region 8 hereby authorizes Newfield Production Company (Newfield) to convert the oil well Humpback 22-22-8-17Y to an enhanced recovery injection well according to the terms and conditions of the enclosed Authorization for Additional Well. The addition of this injection well, within the exterior boundary of the Uintah & Ouray Indian Reservation, is being made under the authority of 40 CFR §144.33 (c) and terms of the Humpback Area Permit No. UT20855-00000 and subsequent modifications.

Please be aware that Newfield does not have authorization to begin well injection until all Prior to Commencing Injection requirements are met and written authorization to inject is given by the Director. Prior to receiving authorization to inject, Newfield must submit for review and approval (1) the results of a Part I (internal) Mechanical Integrity test, (2) a pore pressure calculation of the injection interval and (3) a completed EPA Form No. 7520-12 (Well Rework Record) with a new schematic diagram.

If you have any questions, please call Emmett Schmitz at (303) 312-6174 or (800) 227-8917, extension 312-6174. Please submit the required data to Jason Deardorff at the letterhead address citing mail code 8P-W-GW.

Sincerely,



Callie A. Videtich
Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

Enclosures: Authorization for Additional Well
Wellbore schematic for Humpback 22-22-8-17Y

cc: Letter Only:

Uintah & Ouray Business Committee:

Irene Cuch, Chairman
Ronald Wopsock, Vice-Chairman
Frances Poowegup, Councilwoman
Phillip Chimburas, Councilman
Stewart Pike, Councilman
Richard Jenks, Jr., Councilman

Daniel Picard
BIA - Uintah & Ouray Indian Agency

cc: All Enclosures:

Mike Natchees
Environmental Coordinator
Ute Indian Tribe

Manual Myore
Director of Energy & Minerals Dept.
Ute Indian Tribe

Brad Hill
Acting Associate Director
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office
BLM - Vernal Office

Reed Durfey
District Manager
Newfield Production Company
Myton, Utah



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
1595 WYNKOOP STREET
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

AUTHORIZATION FOR ADDITIONAL WELL

UIC Area Permit UT20855-00000

The Humpback Final UIC Area Permit UT20855-00000, effective August 18, 2000, authorizes injection for the purpose of enhanced oil recovery in the Monument Butte Field. On October 4, 2011, Newfield Production Company notified the Director concerning the following additional enhanced recovery injection well:

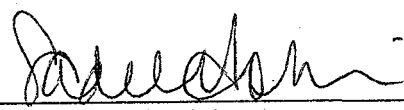
Well Name:	Humpback 22-22-8-17Y
EPA Permit ID Number:	UT20855-09365
Location:	1945' FNL & 2030' FWL SENW Sec. 22 T8S-R17E Duchesne County, Utah API #43-013-31538

Pursuant to 40 CFR §144.33, Area UIC Permit UT20855-00000 authorizes the permittee to construct and operate, convert, or plug and abandon additional enhanced recovery injection wells within the area permit. This well was determined to satisfy additional well criteria required by the permit.

This well is subject to all provisions of UIC Area Permit No. UT20855-00000, as modified and as specified in the Injection Well-Specific Requirements detailed below. This Authorization shall expire one year after the Effective Date unless the permittee has converted the well to injection or submits a written request to extend this Authorization prior to the expiration date.

This Authorization is effective upon signature.

Date: 11/5/12


for Callie A. Videtich
*Acting Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

** The person holding this title is referred to as the Director throughout the permit and Authorization*

Authorization for Additional Well: UIC Area Permit UT20855-00000
Well: Humpback 22-22-8-17Y: EPA Well ID: UT20855-09365

Printed on Recycled Paper

INJECTION WELL-SPECIFIC REQUIREMENTS

Well Name: Humpback 22-22-8-17Y
EPA Well ID Number: UT20855-09365

Prior to Commencing Injection Operations, the permittee shall submit the following information:

1. Completed Well Rework Record (EPA Form No. 7520-12) and schematic diagram;
2. Pore pressure calculation of the proposed injection zone;
3. Results from a successful part I (internal) Mechanical Integrity test.

Once these records are received and approved by EPA, the Director will provide written authorization to inject.

Note: All depths given in this authorization reference the Kelly Bushing datum unless otherwise specified.

Approved Injection Interval: The injection interval is the part of the injection zone where fluids are directly emplaced. The approved injection interval for this well is from the top of the Garden Gulch Sand #2 to the top of the Wasatch Formation. Additional injection perforations may be added provided that they remain within the approved injection interval. Injection between the outermost casing protecting USDWs and the well bore is prohibited.

Maximum Allowable Injection Pressure (MAIP): The initial MAIP is 1,310 psig, based on the calculation $MAIP = [FG - (0.433)(SG)] * D$, where "FG" is the fracture gradient, "SG" is the specific gravity of injectate and "D" is the Kelly Bushing depth to the shallowest casing perforation. For this well, FG is 0.716 psi/ft, SG is 1.015 and D is 4,748 ft.

UIC Area Permit No. UT20855-00000 provides the opportunity for the permittee to request a change of the MAIP based upon the submitted results of a step rate test that demonstrates the formation parting pressure.

Well Construction: Casing and Cementing: The well was constructed in compliance with existing regulatory controls for casing and cementing pursuant to 40 CFR § 146.22(c).

Cementing records, including the cement bond log, have satisfactorily demonstrated the presence of adequate cement to prevent the migration of injection fluids behind the casing from the injection zone.

Well Construction: Tubing and Packer: 2-7/8" or similar size injection tubing is approved. The packer shall be set at a depth no more than 100 ft. above the top perforation.

Demonstration of Mechanical Integrity:

- (1) A successful demonstration of part I (internal) mechanical integrity using a Casing-Tubing Annulus Pressure Test is required prior to injection, and no less than every five years after the last successful test.
- (2) EPA reviewed the cementing records and determined the cement will provide an effective barrier to significant upward movement of fluids through vertical channels adjacent to the well bore pursuant to 40 CFR §146.8 (a)(2). Therefore, further demonstration of Part II (external) Mechanical Integrity is not required at this time.

Demonstration of Financial Responsibility: The applicant has demonstrated financial responsibility by a Surety Bond in the amount of \$42,000 and a Standby Trust Agreement that have been approved by EPA. The Director may revise the amount required and may require the permittee to obtain and provide updated estimates of costs for plugging the well according to the approved Plugging and Abandonment plan.

Plugging and Abandonment: The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluids into or between Underground Sources of Drinking Water (USDW). Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements, with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs; however, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft. surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

- (1) Isolate the injection zone: Remove down hole apparatus from the well and perform necessary clean out; displace well fluid with plugging gel. Set a cast iron bridge plug (CIBP) within the innermost casing string no more than 50 ft. above the top perforation with a minimum of 20 ft. cement plug on top of the CIBP.
- (2) Isolate the Trona-Bird's Nest water zone and Mahogany Oil Shale: Perforate and squeeze cement up the backside of the outermost casing string across the Mahogany Oil Shale and Trona-Bird's Nest water zone, from at least 55 ft. above the top of the Trona-Bird's Nest to at least 55 ft. below the base of Mahogany Oil Shale, unless there is existing cement across this interval.

(3) Isolate the Uinta Formation from the Green River Formation: Perforate and squeeze a minimum of 110 ft. cement up the backside of the outermost casing string to isolate the contact between the Uinta Formation and the Green River Formation, unless there is existing cement across this interval. Set a minimum 110 ft. cement plug in the innermost casing string, centered on the contact between the Green River Formation and Uinta Formation.

(4) Isolate Surface Fluid Migration Paths:

- a. If the depth of the lowermost USDW is above the base of surface casing, perforate the outermost casing string 50 ft. below the base of surface casing and circulate cement to the surface, unless there is existing cement across this interval; OR
- b. If the depth of the lowermost USDW is below the base of surface casing, perforate the outermost casing string 50 ft. below the base of the lowermost USDW and circulate cement to surface; AND
- c. Set a cement plug inside the innermost casing string from 50 ft. below the base of the surface casing to surface.

INJECTION WELL-SPECIFIC CONSIDERATIONS

Well Name: Humpback 22-22-8-17Y
EPA Well ID Number: UT20855-09365

Underground Sources of Drinking Water (USDWs): USDWs in the Humpback Area Permit generally occur within the Uinta Formation. According to "*Base of Moderately Saline Ground Water in the Uinta Basin, Utah, State of Utah Technical Publication No. 92,*" the base of moderately saline ground water may be found approximately at the surface in the Humpback 22-22-8-17Y well. Water samples from the Green River Formation taken in conjunction with oil production show that USDWs do occur at deeper depths within the Humpback unit and as deep as 6,026 ft. in the Balcron Monument Federal 33-25-8-17 well. Freshening of the injection zone due to the injection of relatively fresh water for the purpose of enhanced oil recovery has been demonstrated to be occurring in parts of the Monument Butte Field, including this permit area.

http:NRWRT1.NR.STATE.UT.US: According to the state of Utah, any water wells present within the permit area are shallow and do not intersect the injection zone.

Composition of Source, Formation, and Injectate Water: A water sample analysis was not required as part of the application to add this well to the area permit because EPA considers the water quality of the injection zone to be well documented. Area UIC Permit UT20855-00000 and Statement of Basis describe originally in place formation fluid within the injection zone to be greater than 10,000 mg/l Total Dissolved Solids (TDS) content. However, due to injection of relatively fresh water for the purpose of enhanced oil recovery within the permit area, produced water samples showing TDS values less than 10,000 mg/l have occurred and this occurrence has

Authorization for Additional Well: UIC Area Permit UT20855-00000
Well: Humpback 22-22-8-17Y EPA Well ID: UT20855-09365

been observed to increase in frequency with time. Newfield has demonstrated and EPA has confirmed that freshening of the injection zone is occurring and that more recent water samples showing TDS values less than 10,000 mg/l are not likely representative of the original formation fluid at or near this well. EPA considers the presence of waters less than 10,000 mg/l within the injection zone to be a temporary, artificial condition and therefore does not require an aquifer exemption to allow injection to occur.

The injectate is water from a Monument Butte Field Injection Facility and consists of culinary water from the Johnson Water District and/or water from the Green River, blended with produced Green River Formation water and resulting in TDS content less than 10,000 mg/l.

Confining Zone: A *Confining Zone* is a geological formation, group of formations, or part of a formation that is capable of limiting fluid movement above an injection zone. The designated Confining Zone for this well consists of three interbedded, thick impervious shales, confining marlstones and siltstones. The Confining Zone extends from approximately 200 feet above the Garden Gulch Marker to the top of the Garden Gulch Number 2 Sand within the Garden Gulch Member of the Green River Formation. This interval is found between the depths of 3,970 feet to 4,466 feet in the Federal 1-26-8-17 Type Gamma Log for the Monument Butte Field.

Injection Zone: An *injection zone* is a geological formation, group of formations, or part of a formation that receives fluids through a well. The Injection Zone for this well consists of the lower part of the Garden Gulch member starting at the top of the Garden Gulch #2 Sand and includes the Douglas Creek and Basal Carbonate members of the Green River Formation to the top of the Wasatch Formation.

Well Construction: This well was constructed according to BLM requirements and controls for production wells at the time of well completion. EPA has reviewed and approved the construction and determined that it is adequate to protect USDWs.

Surface Casing: 8-5/8" casing is set at 332 ft. in a 12-1/4" hole, using 215 sacks Class "G" cement, cemented to the surface.

Longstring Casing: 5-1/2" casing is set at 6,382 ft. in a 7-7/8" hole secured with 624 sacks of cement. Total driller depth is 6,400 ft. Plugged back total depth is 6,337 ft. EPA calculates top of cement at 2,356 ft. Estimated CBL top of cement is 2,700 ft.

Perforations: Top perforation: 4,748 ft.

Bottom perforation: 6,218 ft.

AREA OF REVIEW (AOR) WELL REQUIREMENTS

The following eight wells that penetrate the confining zone within or proximate to a ¼-mile radius around the Humpback 22-22-8-17Y well were evaluated to determine if any corrective action is necessary to prevent fluid movement into USDWs:

Balcron Federal 12-22Y-8-17 API: 43-013-31476 SWNW Sec. 22-T8S-R17E
This well is an injection well authorized by UIC Permit UT20855-04477.

Canvasback Federal 3-22-8-17 API: 43-013-50022 NENW Sec. 22-T8S-R17E

Greater Monument Butte M-22-8-17 API: 43-013-50515 SHL: SWNW Sec. 22-T8S-R17E
BHL: NWSE Sec. 22-T8S-R17E

Greater Monument Butte N-22-8-17 API: 43-013-50516 SHL: SENW Sec. 22-T8S-R17E
BHL: NWSW Sec. 22-T8S-R17E

Monument Federal 32-22-8-17 API: 43-013-31586 SWNE Sec. 22-T8S-R17E
This well is an injection well authorized by UIC Permit UT20855-04479. CBL TOC at 1702 feet. No 80% cement bond in ACZ. Top perforation set at 4501 feet – 4509 feet, i.e. 27 feet above base of ACZ (4536 feet).

Balcron Monument Federal 11-22-8-17Y API: 43-013-31539 NWNW Sec. 22-T8S-R17E
CBL TOC at 100 feet. No 80% cement bond in ACZ. Top perforation set at 4585 feet – 4594 feet, i.e. 16 feet above base of ACZ (4610 feet).

Greater Monument Butte G-22-8-17 API: 43-013-50514 SHL: NWNW Sec. 22-T8S-R17E
BHL: SENW Sec. 22-T8S-R17E

Monument Federal 31-22-8-17 API: 43-013-31587 NWNE Sec. 22-T8S-R17E

No Corrective Action Required on AOR wells: EPA reviewed all wells penetrating the Confining Zone within a ¼-mile radius of the proposed injection well and determined that cement in these wells is adequate to prevent the movement of fluid into USDWs. Top of cement is above the base of the Confining Zone in all AOR wells.

Reporting of Noncompliance:

- 1) **Anticipated Noncompliance.** The operator shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- 2) **Compliance Schedules.** Reports of compliance or noncompliance with, or any progress on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.

- 3) Written Notice of any noncompliance which may endanger health or the environment shall be reported to the Director within five days of the time the operator becomes aware of the noncompliance. The written notice shall contain a description of the noncompliance and its cause, the period of noncompliance including dates and times, if the noncompliance has not been corrected the anticipated time it is expected to continue, and steps taken or planned to prevent or reduce recurrence of the noncompliance.

Twenty-Four Hour Noncompliance Reporting: The operator shall report to the Director any noncompliance which may endanger health or environment. Information shall be provided, either orally or by leaving a message, within twenty-four (24) hours from the time the operator becomes aware of the circumstances by telephoning 1-(800)-227-8917 and asking for the EPA Region 8 UIC Program Compliance and Enforcement Director, or by contacting the Region 8 Emergency Operations Center at (303)-293-1788, if calling from outside EPA Region 8. The following information shall be included in the verbal report:

- 1) Any monitoring or other information which indicates that any contaminant may cause an endangerment to an underground source of drinking water.
- 2) Any noncompliance with a Permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

Oil Spill and Chemical Release Reporting: The operator shall comply with all other reporting requirements related to oil spills and chemical releases or other potential impacts to human health or the environment by contacting the **National Response Center (NRC) 1-(800)-424-8802 or 1-(202)-267-2675**, or through the NRC website at <http://www.nrc.uscg.mil/index.htm>

Other Noncompliance: The operator shall report all other instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

Other Information: Where the operator becomes aware that he failed to submit any relevant facts in the Permit application, or submitted incorrect information in a Permit application, or in any report to the Director, the operator shall submit such correct facts or information within two weeks of the time such information became known.

Canvasback

UT 20855-09365

Balcron

Balcron

Monument Federal #22-22-8-17Y

Spud Date: 10/16/95
Put on Production: 11/9/95
GL: 5156' KB: 5169'

Initial Production: 52 BOPD,
NM MCFPD, 6 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 8 jts. (321.90')
DEPTH LANDED: 332'
HOLE SIZE: 12-1/4"
CEMENT DATA: BJ-215 sxs class "G" cement. Circ. 10 bbls to surface.

Cement Top @ 2700'

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 148 jts. (6372.92')
DEPTH LANDED: 6382'
HOLE SIZE: 7-7/8"
CEMENT DATA: BJ-140 sxs Super "G" + 484 sxs 50/50 POZ.
CEMENT TOP AT: 2700' KB per CBL

Green River 1835'

80% Bond 4406'-4536'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 197 jts (6084.3')
TUBING ANCHOR: 6084.3' KB
NO. OF JOINTS: 3 jts. (97.5')
SN LANDED AT: 6184.6' KB
NO. OF JOINTS: 1 jt. (25.7')
TOTAL STRING LENGTH: EOT @ 6212'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22' SM
SUCKER RODS: 2- 16' x 3/4" pony rods, 1- 6' x 3/4" pony rod, 95- 3/4" guided rods, 83- 3/4" guided rods, 63- 3/4" guided rods, 6- 1 1/2" weight bars.
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC
STROKE LENGTH: 90" SL
PUMP SPEED, SPM: 4 SPM

SN @ 6185'

1945' FNL

NEWFIELD

Balcron Monument Federal #22-22-8-17Y
945' FNL & 2030' FWL
SENW Section 22-T8S-R17E
Duchesne Co, Utah
API #43-013-31538; Lease #U-67845

FRAC JOB

11/29/95 5861'-5950' 76,860# 20/40 sand + 141,100# 16/30 sand in 1366 bbls 2% KCl fluid. Ave. treating press. 2100 psi @ 41 BPM. ISIP 2200 psi. Calc. flush: 5861 gal. Actual flush: 5754 gal.
1/31/96 4748'-4793' 111,540# 16/30 sand in 613 bbls 2% KCl fluid. Ave. treating press. 1800 psi @ 33.4 BPM. ISIP 2000 psi. Calc. flush: 4748 gal. Actual flush: 4704 gal.
08/14/02 Pump change. Update rod details.
04/09/03 5772'-5796' Note: No frac done on A-3 sands
04/11/03 6110'-6218' Frac CP sands as follows:
75,216# 20/40 sand in 591 bbls Viking I-25 fluid. Treated @ avg pressure of 3685 psi w/avg rate of 16.9 BPM. ISIP-1990 psi. Calc. flush: 6090 gals Actual flush: 1470 gals.
2/9/04 Tubing Leak. Update rod and tubing anchor.
1/23/09 Pump Change. Updated r & t details.
8/31/2010 Parted rods. Updated rod and tubing detail.

332'
2700

Tron 3384-3426
Madogany Bench 3426-3448
confining zone 4034-4538
Garden Gulch #2 4538'

4748'-4752'
4770'-4778'
4780'-4784'
4791'-4793'
5772'-5780' (No Frac)
5792'-5796' (No Frac)
5861'-5873'
5876'-5888'
5891'-5920'
5925'-5929'
5932'-5950'

Anchor @ 6084'
6110'-6118'
6150'-6162'
6213'-6218'
EOT @ 6212'

Top of Fill @ 6303'
PBTD @ 6337'
SHOE @ 6382'
TD @ 6400'

PERFORATION RECORD

10/26/95	5932'-5950'	2 SPF	(18 ft)	36 holes
10/26/95	5925'-5929'	2 SPF	(4 ft)	8 holes
10/26/95	5891'-5920'	2 SPF	(29 ft)	58 holes
10/26/95	5876'-5888'	2 SPF	(12 ft)	24 holes
10/26/95	5861'-5873'	2 SPF	(12 ft)	24 holes
1/29/96	5772'-5780'	4 SPF	(8 ft)	32 holes
1/29/96	5792'-5796'	4 SPF	(4 ft)	16 holes
1/30/96	4748'-4752'	4 SPF	(4 ft)	16 holes
1/30/96	4770'-4778'	4 SPF	(8 ft)	32 holes
1/30/96	4780'-4784'	4 SPF	(4 ft)	16 holes
1/30/96	4791'-4793'	4 SPF	(2 ft)	8 holes
4/10/03	6110'-6118'	4 SPF		32 holes
4/10/03	6150'-6162'	4 SPF		48 holes
4/10/03	6213'-6218'	4 SPF		20 holes

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-77233
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630, Myton, UT, 84052		8. WELL NAME and NUMBER: BALCRON MON FED 22-22-8-17Y
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1945 FNL 2030 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 22 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013315380000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/26/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input checked="" type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="New Perforations"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The subject well has been converted from a producing oil well to an injection well on 06/26/2014. New intervals added: 5205-5210' & 5267-5272' - 3JSPF. Initial MIT on the above listed well. On 06/26/2014 the casing was pressured up to 1440 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test. EPA# UT22197-10517		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 14, 2014		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 7/10/2014	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 6/26/14Test conducted by: Dustin AllredOthers present: Dustin Bennett, Dale Giles

Well Name: <u>Balceron Monument federal 22-22y-8-17</u>		Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Monument Butte</u>			
Location: <u>SE/NW</u> Sec: <u>22</u> T <u>8S</u> N <u>(S)</u> R <u>17</u> E/W		County: <u>Duchesne</u> State: <u>Utah</u>	
Operator: <u>Newfield Exploration</u>			
Last MIT: <u> </u> / <u> </u> / <u> </u>		Maximum Allowable Pressure: <u> </u> PSIG	

Is this a regularly scheduled test?

☒ Yes ☐ No

Initial test for permit?

☒ Yes ☐ No

Test after well rework?

☐ Yes ☒ No

Well injecting during test?

☐ Yes ☒ No

If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 1432 / 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>0</u> psig	psig	psig
End of test pressure	<u>0</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1432</u> psig	psig	psig
5 minutes	<u>1434</u> psig	psig	psig
10 minutes	<u>1435</u> psig	psig	psig
15 minutes	<u>1437</u> psig	psig	psig
20 minutes	<u>1439</u> psig	psig	psig
25 minutes	<u>1439</u> psig	psig	psig
30 minutes	<u>1440</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☐ No

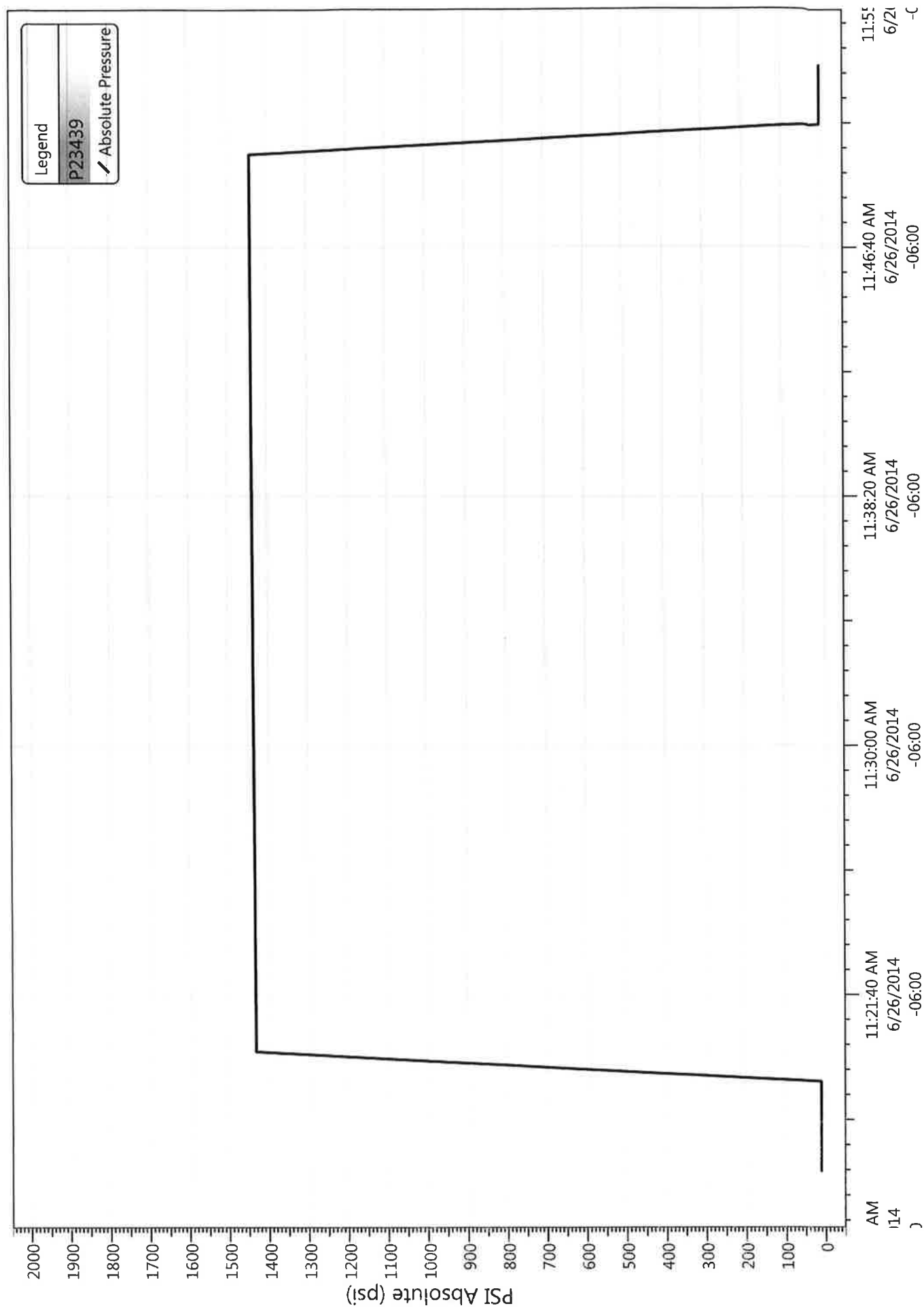
MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

Balcron Monument Federal 22-22y-8-17 (conversion MIT 6/26/14)

6/26/2014 11:13:48 AM





Well Name: Blcrn Mon 22-22Y-8-17

Job Detail Summary Report

Sundry Number: 53209 API Well Number: 43013315380000

Jobs		Job Start Date	Job End Date
Primary Job Type Conversion		6/20/2014	6/26/2014
Daily Operations			
Report Start Date 6/20/2014	Report End Date 6/22/2014	24hr Activity Summary MIRUSU. Rest 4 deadmen. TOOH w/ parted rods. Fish rods. RU BOP's. Release TA.	
Start Time	End Time	End Time	Comment
00:00	07:00		SIFN.
Start Time	End Time	End Time	Comment
07:00	10:00		Held safety meeting. MIRUSU. Hot oiler pumped 60 bbls 250" wtr down casing. Backhoe was setting deadmen (2 with hoe & 2 w/ auger trk). Unit was down for parted rods.
Start Time	End Time	End Time	Comment
10:00	18:00		RD horse head. Pull rods (5000#'s string). Found parted coupling worn through on 177- 3/4". Went for different fish tool. Graphel tool. RU tbg & blew hole in tbg @ 3400 psi w/ 10 bbls water. Replace another 17 couplings above fish due to worn out. TIH w/ graphel. Had to work & hot oil well on way in w/ fish. Unseat pump w/ 4K over. Flush rods w/ 25 bbls.
Start Time	End Time	End Time	Comment
18:00	00:00		Shut in for weekend
Report Start Date 6/23/2014	Report End Date 6/24/2014	24hr Activity Summary Finish POOH W/ Rods & Tbg	
Start Time	End Time	End Time	Comment
00:00	06:00		SDFN
Start Time	End Time	End Time	Comment
06:00	07:00		Crew Travel & Safety MTG
Start Time	End Time	End Time	Comment
07:00	10:30		LD 1 1/2 x 26' polish rod 1-2' 1-4' 3/4 pony rods, 96-3/4 4 PER, 82-3/4 Slicks LD Fishing tool, cont LD 62-3/4 4 PER, 6 1 1/2 WT bars, 2 1/2 X 1 1/4 X 16 RHAC Pump
Start Time	End Time	End Time	Comment
10:30	12:30		ND Wellhead, Unset 5 1/2" B-2 TAC, Strip on 5000# bops, RU Floor & TBG Works
Start Time	End Time	End Time	Comment
12:30	17:30		TOOH Breaking & Redoping every collar W/ 153 JTS 2 7/8" TBG
Start Time	End Time	End Time	Comment
17:30	19:00		CONT LD 49 JTS 2 7/8 TBG LD 5 1/2" B-2 TAC, PSN, & NC, CWI @ 7:00
Start Time	End Time	End Time	Comment
19:00	20:00		Crew Travel
Start Time	End Time	End Time	Comment
20:00	00:00		SDFN
Report Start Date 6/24/2014	Report End Date 6/25/2014	24hr Activity Summary Perforate RIH W/ Work String RBP & PKR	
Start Time	End Time	End Time	Comment
00:00	06:00		SDFN
Start Time	End Time	End Time	Comment
06:00	07:00		Crew Travel & Safety MTG
Start Time	End Time	End Time	Comment
07:00	09:00		Pump 60 BBLs H2O Down CSG, RU Wireline, PERF Zones 5267-72' & 5205-10', RD Wireline
Start Time	End Time	End Time	Comment
09:00	10:00		Spot in pipe racks & unload TBG
Start Time	End Time	End Time	Comment
10:00	14:30		PU & Talley 5 1/2 RBP, RH, 4' SUB, 5 1/2 PKR & 148 JTS 2 7/8 TBG, Set RBP @ 4720', Fill CSG W/ 34 BBLs H2O, Test RBP & CSG To 1500 PSI-OK, REL RBP, CONT PU 20 JTS 2 7/8 TBG, Set RBP @ 5340' & PKR @ 5120' CWI @ 2:30
Start Time	End Time	End Time	Comment
14:30	15:30		Crew Travel



Well Name: Blcrn Mon 22-22Y-8-17

Job Detail Summary Report

Sundry Number: 53209 API Well Number: 43013315380000

Start Time	15:30	End Time	00:00	Comment
Report Start Date	6/25/2014	24hr Activity Summary		SDFN
Report End Date	6/26/2014	Frac & Flow Back Well POOH LD Work String RIH W/ Production Tbg		
Start Time	00:00	End Time	06:00	Comment
Start Time	06:00	End Time	07:00	SDFN
Start Time	07:00	End Time	09:30	Crew Travel & Safety MTG
Start Time	09:30	End Time	11:30	Comment
Start Time	11:30	End Time	14:30	RU Frac crew, Try fracturing PERFS 5205-72', Screened out, (Nabors Sent 5000# off 5# Slug off sand down) Flow back 35 BBLs H2O, Try fracturing again- no good
Start Time	14:30	End Time	18:00	Comment
Start Time	18:00	End Time	19:00	Release PKR & Circulate Sand off of PERFS, EOT @ 5310' Reset PKR @ 5120' Try fracturing PERFS, Cut Sand 10,000# Short Screened out w/ 24 bbls of 31 bbls flush, REL PKR, CIRC Well clean, CIRC 40' Of sand off RBP, REL RBP
Start Time	19:00	End Time	00:00	Comment
Report Start Date	6/26/2014	24hr Activity Summary		POOH & LD 168 jts 2 7/8 L-80 TBG, LD 5 1/2" RBP & PKR
Report End Date	6/26/2014	Pump PKR Fullid Set PKR Press test Csg. Conduct MIT		Comment
Start Time	00:00	End Time	06:00	SDFN
Start Time	06:00	End Time	07:00	Crew Travel & Safety MTG
Start Time	07:00	End Time	08:00	Comment
Start Time	08:00	End Time	09:00	CK PRESS On TBG 2850 PSI, RET SV, POOH & Rack out sandline, RD Floor & TBG Works, strip off 5000# BOPS, Land TBG W/ B-1 Adaptor flange
Start Time	09:00	End Time	09:30	Comment
Start Time	09:30	End Time	11:00	Pump 60 BBLs Fresh H2O & PKR Fluid down CSG
Start Time	11:00	End Time	13:00	Comment
Start Time		End Time		Set 5 1/2" Arrowset-1 PKR W/ 15000# Tension @ 4697' PSN @ 4691' EOT @ 4707', Land TBG W/ B-1 Adaptor flange, NU Wellhead
Start Time		End Time		Comment
Start Time		End Time		PRESS Up on CSG To 1500 PSI
Start Time		End Time		Comment
Start Time		End Time		Do MIT test-OK Initial MIT on the above listed well. On 06/26/2014 the casing was pressured up to 1440 psig and chartered for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 0 psig during the test. There was not an EPA representative available to witness the test.
Start Time		End Time		EPA# UT22197-10517 RDMO @ 1:00

NEWFIELD

Schematic

Well Name: Blcrn Mon 22-22Y-8-17

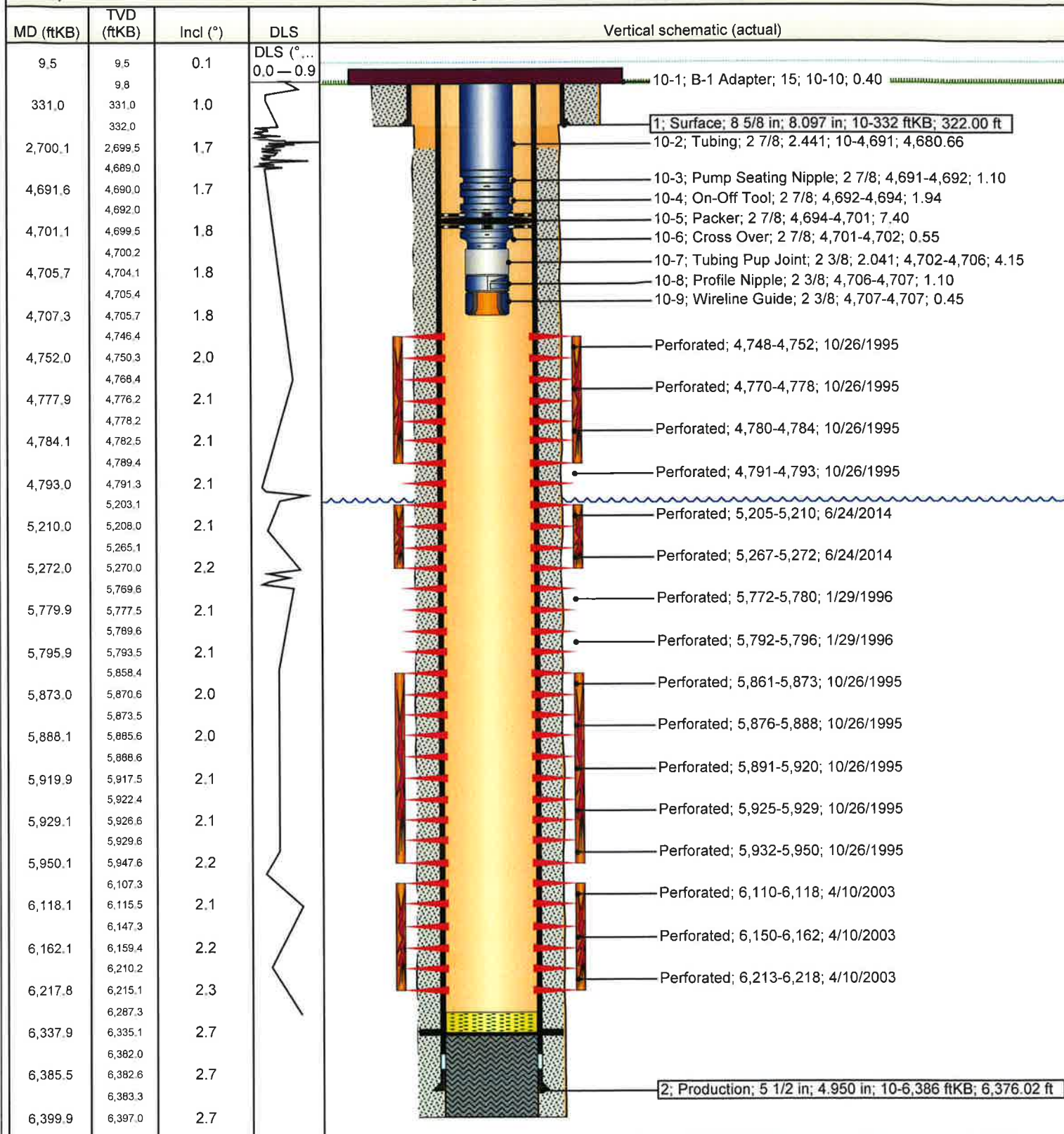
Surface Legal Location 22-8S-17E		API/UWI 43013315380000	Well RC 500151702	Lease	State/Province Utah	Field Name GMBU CTB7	County DUCHESNE
Spud Date	Rig Release Date	On Production Date 11/9/1995	Original KB Elevation (ft) 5,166	Ground Elevation (ft) 5,156	Total Depth All (TVD) (ftKB)	PBD (All) (ftKB) Original Hole - 6,338.0	

Most Recent Job

Job Category Production / Workover	Primary Job Type Conversion	Secondary Job Type OAP	Job Start Date 6/20/2014	Job End Date 6/26/2014
---------------------------------------	--------------------------------	---------------------------	-----------------------------	---------------------------

TD: 6,400.0

Vertical - Original Hole, 7/8/2014 4:33:09 PM



NEWFIELD
Newfield Wellbore Diagram Data
Blcrn Mon 22-22Y-8-17

Surface Legal Location 22-8S-17E			API/UWI 43013315380000		Lease	
County DUCHESE		State/Province Utah	Basin Uintah Basin		Field Name GMBU CTB7	
Well Start Date 10/16/1995		Spud Date	Final Rig Release Date		On Production Date 11/9/1995	
Original KB Elevation (ft) 5,166	Ground Elevation (ft) 5,156	Total Depth (ftKB) 6,400.0	Total Depth All (TVD) (ftKB)		PBTD (All) (ftKB) Original Hole - 6,338.0	

Casing Strings

Csg Des	Run Date	OD (in)	ID (in)	Wt/Len (lb/ft)	Grade	Set Depth (ftKB)
Surface	10/16/1995	8 5/8	8.097	24.00	J-55	332
Production	10/25/1995	5 1/2	4.950	15.50	J-55	6,386

Cement**String: Surface, 332ftKB 10/16/1995**

Cementing Company		Top Depth (ftKB) 10.0	Bottom Depth (ftKB) 332.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description		Fluid Type Lead	Amount (sacks) 215	Class G	Estimated Top (ftKB) 10.0

String: Production, 6,386ftKB 10/25/1995

Cementing Company BJ Services Company		Top Depth (ftKB) 2,700.0	Bottom Depth (ftKB) 6,400.0	Full Return?	Vol Cement Ret (bbl)
Fluid Description W/ADDITIVES		Fluid Type Lead	Amount (sacks) 162	Class Lite	Estimated Top (ftKB) 10.0
Fluid Description W/ADDITIVES		Fluid Type Tail	Amount (sacks) 460	Class 50/50 POZ	Estimated Top (ftKB) 3,195.0

Tubing Strings

Tubing Description					Run Date		Set Depth (ftKB)	
Tubing - Production					6/25/2014		4,707.4	
Item Des	Jts	OD (in)	ID (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)
B-1 Adapter	1	15				0.40	9.6	10.0
Tubing	153	2 7/8	2.441	6.50	J-55	4,680.66	10.0	4,690.7
Pump Seating Nipple	1	2 7/8				1.10	4,690.7	4,691.8
On-Off Tool	1	2 7/8				1.94	4,691.8	4,693.7
Packer	1	2 7/8				7.40	4,693.7	4,701.1
Cross Over	1	2 7/8				0.55	4,701.1	4,701.7
Tubing Pup Joint	1	2 3/8	2.041	4.00	J-55	4.15	4,701.7	4,705.8
Profile Nipple	1	2 3/8				1.10	4,705.8	4,706.9
Wireline Guide	1	2 3/8				0.45	4,706.9	4,707.4

Rod Strings

Rod Description		Run Date			Set Depth (ftKB)		
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Top (ftKB)	Btm (ftKB)

Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date
Fill	6,290	6,338	11/5/2010	

Perforation Intervals

Stage#	Zone	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Phasing (°)	Nom Hole Dia (in)	Date
5	GB, Original Hole	4,748	4,752	4			10/26/1995
5	GB, Original Hole	4,770	4,778	4			10/26/1995
5	GB, Original Hole	4,780	4,784	4			10/26/1995
5	GB, Original Hole	4,791	4,793	4			10/26/1995
7	DS, Original Hole	5,205	5,210	3			6/24/2014
7	D1S, Original Hole	5,267	5,272	3			6/24/2014
5	A, Original Hole	5,772	5,780	4			1/29/1996
5	A, Original Hole	5,792	5,796	4			1/29/1996
1	LODC, Original Hole	5,861	5,873	2			10/26/1995
2	LODC, Original Hole	5,876	5,888	2			10/26/1995
3	LODC, Original Hole	5,891	5,920	2			10/26/1995
4	LODC, Original Hole	5,925	5,929	2			10/26/1995
5	LODC, Original Hole	5,932	5,950	2			10/26/1995
6	CP0.5, Original Hole	6,110	6,118	4			4/10/2003
6	CP1, Original Hole	6,150	6,162	4			4/10/2003
6	CP2, Original Hole	6,213	6,218	4			4/10/2003

NEWFIELD

Newfield Wellbore Diagram Data
Blcrn Mon 22-22Y-8-17

Stimulations & Treatments							
Stage#	ISIP (psi)	Frac Gradient (psi/ft)	Max Rate (bbl/min)	Max PSI (psi)	Total Clean Vol (bbl)	Total Slurry Vol (bbl)	Vol Recov (bbl)
1	2,200	0.813	43.6	2,910			
2	2,000	0.859	33.7	2,410			
3	1,990	0.76	17.0	4,090			
7	0	0.0	16.3	3,872	444	450	310

Proppant		
Stage#	Total Prop Vol Pumped (lb)	Total Add Amount
1		Proppant White Sand 217960 lb
2		Proppant White Sand 111640 lb
3		Proppant White Sand 75216 lb
7	20,092	Main White Sand 20092 lbs

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: BALCRON MON FED 22-22-8-17Y
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1945 FNL 2030 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENW Section: 22 Township: 08.0S Range: 17.0E Meridian: S		9. API NUMBER: 43013315380000
PHONE NUMBER: 435 646-4825 Ext		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
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TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/15/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
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	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
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	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> The above reference well was put on injection at 8:15 AM on 08/15/2014. EPA # UT22197-10517 </div> <div style="width: 35%; text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 22, 2014 </div> </div>		
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 8/21/2014	